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FOREST GROVE, OREGON

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REGISTER

MARCH, 1915

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REGISTER

OF

PACIFIC UNIVERSITY

1914—1915

WITH ANNOUNCEMENTS FOR

1915—1916

FOREST GROVE, OREGON

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CALENDAR

THE FISCAL YEAR

1915

SEPTEMBER

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1916

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College Events

1915

Sept. 13-14, Monday, Tuesday. Registration Days
Sept. 15, Wednesday ..... Recitations begin, 8:05 a. m.
First Chapel Service, 10 a. m.
Sept. 17, Friday ..... College Reception, 8-11 p. m.
Oct. 27, Friday ..... All College Day
Nov. 24, Wednesday ..... Thanksgiving Recess begins, 4 p. m.
Nov. 29, Monday ..... Work resumed after Thanksgiving Recess, 8:05 a. m.
Dec. 17, Friday ..... Christmas Recess begins, 4 p.m

1916

Jan. 4, Tuesday ..... Work resumed after Christmas Recess 8:05 a. m.
Jan. 12, Wednesday ..... Charter Day Exercises, 8 p. m.
Jan. 28, Friday ..... First Semester ends
Jan. 31, Monday ..... Registration Day
Feb. 1, Tuesday ..... Recitations begin 8:05 a. m.
Feb. 4, Friday ..... College Reception, 8-11 p. m.
Feb. 20, Sunday ..... International day of Prayer for Colleges.
Feb. 22, Tuesday ..... Washington's Birthday Address, 10 a. m.
Freshman Play, 8 p. m.
March 17, Friday ..... Easter Recess begins, 4 p. m.
March 27, Monday ..... Work resumed after Easter Recess 8:05 a. m.
April 17, Monday ..... Field Day
May 12, Friday ..... May Festival
May 30, Tuesday ..... Memorial Day
June 1, Thursday ..... Conservatory Recital, 8 p. m.
June 2, Friday ..... Conservatory Recital, 8 p. m.

College Events—Continued

June 4, Sunday ..... Baccalaureate Sermon, 11 a. m.
Address before Associations, 8 p. m.

June 5, Monday ..... Senior Class Exercises, 2 p. m.
Commencement Play, 8 p. m.

June 6, Tuesday ..... Receptions by Literary Societies, 3 p. m.
Conservatory Concert, 8 p m.

June 7, Wednesday ..... Meeting of Trustees, 10 a. m.
College Commencement, 3 p. m.
Alumni Reunion, 5 p. m.
President's Reception, 6 p. m.
College Dinner, 7 p. m.

Sept. 18-19, Monday, Tuesday. Registration begins.

Sept. 20, Wednesday ..... Recitations begin, 8:05 a. m.

Sept. 22, Friday ..... College Reception, 8:00 p. m.

TRUSTEES.

MEMBERS OF THE BOARD

PRES. CHARLES JOSEPH BUSHNELL, ex-officio, Forest Grove.

	Term Expires
NAPOLEON DAVIS, Aurora	1915
GEORGE H. MARSH, Portland	1915
BELA S. HUNTINGTON, Portland	1916
EUGENE P. McCORNACK, Salem	1916
WILLIAM T. FLETCHER, Portland	1917
HARRISON G. PLATT, Portland	1916
HON. EDWARD W. HAINES, Forest Grove	1917
FREDERICK A. KRIBS, Portland	1918
JOHN E. BAILEY, Forest Grove	1919
CHAS. A. PARK, Salem,	1919
GEORGE A. WARREN, Portland	1919
REV. LUTHER R. DYOTT, D. D., Portland	1920
JUDGE JOHN Q. A. BOWLBY, Astoria	1920
SYLVESTER C. PIER, Portland	1920

OFFICERS OF THE BOARD

B. S. HUNTINGTON	President
JOHN E. BAILEY	Vice-President
NAPOLEON DAVIS	Secretary
CHAS. A. PARK	Assistant-Secretary
GEO. A. WARREN	Treasurer
D. A. HESSEMER	Assistant-Treasurer

STANDING COMMITTEES

Finance Committee

GEORGE A. WARREN
B. S. HUNTINGTON
NAPOLEON DAVIS
PRES. C. J. BUSHNELL
JOHN E. BAILEY

Committee on Teachers

PRES. C. J. BUSHNELL
S. C. PIER
E. W. HAINES
WILLIAM T. FLETCHER
CHAS. A. PARK

Executive Committee

PRES. C. J. BUSHNELL
B. S. HUNTINGTON
HARRISON G. PLATT
JOHN E. BAILEY
E. P. McCORNACK

Nominating Committee

B. S HUNTINGTON
PRES. C. J. BUSHNELL
GEO. A. WARREN
JOHN E. BAILEY
NAPOLEON DAVIS

FACULTY AND ASSISTANTS

Officers of Administration

CHARLES JOSEPH BUSHNELL
President

WILLIAM MARTIN PROCTOR
Dean of the University

MARY FRANCES FARNHAM
Dean of Women

FRANK THOMAS CHAPMAN
Dean of Conservatory of Music

ARTHUR MALCOLM BEAN
Registrar

FRANK COLLINS TAYLOR
Local Treasurer

CORA A. MILTIMORE
Librarian

EVA TUCKER
Secretary to the President

BERTHA ELIZABETH JENNINGS
Matron of Herrick Hall

JOHN L. MARSH
Superintendent of Grounds

IN MEMORIAM.

PROFESSOR JOSEPH WALKER MARSH
1836-1915

Professor of Greek and Latin
Pacific University
1867-1907

Professor Emeritus
1907-1915

Officers of Instruction

CHARLES JOSEPH BUSHNELL,
Ph. B., University of Chicago, 1898; Ph. D. 1901
President and Professor of Sociology

HENRY LIBERTY BATES,
A. B., Oberlin, 1876; A. M. 1880. B. D., Oberlin Theological Seminary, 1881.
Professor of Philosophy

MARY FRANCES FARNHAM,
Graduate of Mt. Holyoke and Student at Radcliffe. Litt. D., Mt. Holyoke, 1912.
Dean of Women and Professor of English Language and Literature

FRANK THOMAS CHAPMAN,
Graduate American Conservatory, 1893;
Berlin 1894 and 1906-1907.
Dean of the Conservatory; Piano and Violin; Theory and History of Music

FRANK COLLINS TAYLOR,
A. B., University of Nebraska, 1890.
Professor of Greek and Latin

ARTHUR MALCOLM BEAN,
A. B., Iowa College, 1897; A. M., Cornell University, 1903.
Professor of Biology

WILLIAM GRUEBY HARRINGTON,
LL. B., Boston University, 1902; Honor Graduate, Emerson College of Oratory, 1908.
Professor of English and Public Speaking

EARLE DOWNS WEST,
A. B., Ohio, State University, 1900; A. M.,Adrian College, 1908
Professor of Mathematics

GEORGE HAROLD LEARNED,
A. B., Middlebury College, 1908.
Professor of Chemistry

Officers of Instruction—Continued

WILLIAM MARTIN PROCTOR,
A. B., Whitman College, 1901; B. D., Chicago Theological Seminary, 1904; A. M., Whitman College 1906.
Dean of the University
Professor of History and Education

PAULINE MILLER CHAPMAN,
Graduate Chicago Conservatory, 1896; Student in Europe, 1906-1907. Student of Max Heinrich, Madam Amy Major, Senior Marescalchi, Madam Etelka Gerster and Prof. G. B. Lamperti.
Instructor in Vocal Music

EMMA BEECHER PENFIELD,
Student in Goettingen, Tours, Paris.
Instructor in Modern Languages

OLGA LENORE BUSHNELL,
A. B., Albany College; Graduate Student University of Chicago.
Instructor in Home Economics

FLORENCE MARSHALL BEAN
A. B., State University of Iowa, 1906; University of Paris 1907-1908.
Instructor in French

RALPH YAKEL,
A. B., Northwestern University, 1911; LL. B., Illinois Wesleyan 1913.
Instructor in Economics, Politics and Physical Culture

FRANK NATHAN HAROUN,
Instructor in Business Courses

CORA A. MILTIMORE,
B. S., Oklahoma A. & M. College; Student Kansas University; University of Iowa.
Librarian

Officers of Instruction—Continued

BERTHA ELIZABETH JENNINGS,
A. B., Park College, 1910; Diploma in Domestic Economy, Bradley Institute, 1914.
Instructor in Home Economics; Matron of Herrick Hall

GRACE MARGARET THOMAS,
A. B., Pacific University, 1914.
Instructor of Women in Gymnasium

VERA MARGUERITE HAROUN,
Instructor in Sewing

MARTHA BELLE REYNOLDS,
Student under William Russell Case, N. Y., and Kirt Fischer, Boston; Diploma Pacific University Conservatory, 1914; Associate American Guild of Organists, 1915.
Instructor in Piano

ADA FRANCES TAYLOR,
Diploma Pacific University Conservatory, 1914.
Instructor in Piano

NORMAN HOOSE,
Student in Philadelphia.
Assistant Instructor in Voice; Director of Glee Club

LUCY CASE,
Student in Boston and New York.
Assistant Instructor in Voice

Student Assistants.

Assistants in Biology

SALLY PERIS HUGHES
ELIZABETH MARGARET CARLYLE

Assistants in Chemistry

GLENN SAMUEL MORGAN
ELIZABETH MARGARET CARLYLE

Assistants in the Library

AVA SARAH CARLYLE
RITA MACRUM
WARREN ERNEST TUPPER

Assistants in the Conservatory of Music

HELEN ANDERSON
MARGARET LOWELL

Standing Committees Of The Faculty.

RELIGIOUS LIFE,
Professors Bates, Learned, Mr. Yakel.

MUSIC,
Professors Chapman, Bates, Miss Taylor.

FORENSICS AND DRAMATICS,
Professors Harrington, Taylor, Learned.

ATHLETICS AND GYMNASIUM,
Mr. Yakel, Professors Bates, West.

SOCIAL AFFAIRS AND SOCIETIES,
Professors Proctor, Farnham, Harrington, Miss Jennings

CURRICULUM AND CLASSIFICATION,
Professors Bean, Proctor, West, Miss Penfield.

SCHEDULE AND ATTENDANCE,
Professors West, Bean, Miss Penfield.

PUBLICATION AND EXTENSION,
Professors Proctor, Taylor, Harrington.

CATALOGUE,
Professors Farnham, Bean, Learned.

LIBRARY,
Miss Miltimore, Professors Bates, Bean, Farnham.

STUDENT EMPLOYMENT,
Professors Taylor, Proctor, West, Miss Jennings.

GENERAL INFORMATION
History and Equipment

HISTORY

Pacific University, by its inception under the provisional government and its charter granted during the period of territorial administration, is intimately associated with the early history of Oregon; and since the admission of Oregon to the Union, members of the alumni have served, not only in the State Legislature but also in the halls of Congress. Like many other pioneer institutions, the beginnings form an interesting chapter in missionary records. In 1841, Rev. Harvey Clark of Chester, Vermont, began an independent work among the Indians of Tualatin Plains, and when the Willamette Valley was opened for settlement by white people, Mr. Clark realized the importance of schools for their children. Active plans were not begun until 1847, when Mrs. Tabitha Moffett Brown of the immigration of 1846 came to visit her son who lived on a donation claim near Forest Grove. Although past middle life, Mrs. Brown was a woman of unusual energy and resourcefulness. With the cooperation of Mr. Clark she collected the children who had been left orphans by the hardships of the western trail and taught them in the log church. Other children from the settlement also joined the school.

In the meantime both as a missionary enterprise, and as the beginning of a future state the Oregon territory appealed to eastern men of large vision. In 1847, the Home Missionary Society commissioned Rev. George H. Atkinson to extend religious work in Oregon, and Rev. Theron Baldwin, secretary of the American College and Educational Society advised him to "found an academy that shall grow into a college." In 1848, soon after his arrival in Oregon he attended the meeting of the Congregational and Presbyterian Conference in Oregon City and urged the immediate establishment of the academy. Members of the Conference visited Forest Grove and, with the consent of Mr. Clark, it was decided to merge the orphan school into the proposed academy. On September 29, 1849, the Territorial Legislature granted a charter "for a seminary of learning for the instruction of both sexes in science and literature, to be called

MARSH HALL

CAMPUS

OLD COLLEGE HALL

HITCHCOCK HALL

INAUGURAL PROCESSION

LIBRARY

GYMNASIUM

Tualatin Academy," from the Indian name of plain and river. Rev. Cushing Eells was the first principal and, for a time, was assisted by Mrs. Eells. In 1851, under the auspices of the National Board of Popular Education promoted by Governor William M. Slade, of Vermont, Miss Elizabeth Miller, the late Mrs. Wilson, of The Dalles, came to Forest Grove. She was the first woman especially appointed to Tualatin Academy then under the charge of Rev. D. R. Williams. Mrs. Wilson, who was the last survivor of the early instructors, died February 26, 1913. To establish an endowment fund Mr. Clark gave his donation claim which, with other gifts of land, was sold for town lots. Several acres, however, were reserved for a building site and grounds for the school. A subsequent gift from Rev. Elkanah Walker, and the purchase of additional acres from Mr. Stokes enlarged the grounds to the thirty acres which constitute the present campus of Pacific University. Members of the class of 1867 have marked the site of the old log church, where the first classes were held, by a petrified stump brought from the country home of Dr. Raffety. The raising of the first frame building for Tualatin Academy is graphically described by Mr. Edwin Eells who was an early student. For days, men from all parts of Tualatin Plains camped with their families on the grounds, and while the men worked at the frame, the women cooked the meals. It was a gala time for the whole community. This building erected in 1851 is now used as the science building and is the oldest building in Oregon still in use for educational purposes. Its substantial hand-hewed frame has insured permanency over other buildings of pioneer days.

Believing that a more advanced course of study was essential to the training of young men for their part in the development of Oregon, Dr. Atkinson enlisted the Society for the Promotion of Collegiate and Theological Education at the West. He secured as president of the contemplated college Rev. Sidney Harper Marsh, of Union Theological Seminary. Descended from a family of educators, Mr. Marsh was especially qualified to develop a high standard of scholarship. In 1854, the Territorial Legislature granted a new charter with full collegiate privileges to "Tualatin Academy and Pacific University." Although all the possibilities under the enlarged charter have not been realized,

and the institution has never claimed other than college standing, difficulties in the way of a more appropriate name still require the use of the original title.

President Marsh made several visits to the East, where he secured liberal contributions from men who realized the strategic importance of a frontier state. Hon. Rufus Choate, Edward Everett Hale and Professor Austin Phelps were warmly interested in the work. Important contributors were S. F. B. Morse, the inventor of the telegraph, and his brother Sidney E. Morse. Prominent in the list are the names of William E. Dodge, Ezra Farnsworth, Henry Ward Beecher, Timothy Dwight, Dr. E. M. Kirk and John Tappan who were noted clergymen and philanthropists. Among men of affairs who made generous subscriptions were Frederick Billings, A. S. Hatch, Edward Everett, S. D. Warren, David Whitcomb, A. S. Barnes, also P. L. Moen, C. P. Huntington, F. Jones, J. Crosby Brown, J. Field, William Carlton, W. W. Wickes, and R. R. Graves. Altogether, President Marsh raised an endowment which for some years placed the institution on a safe financial basis; he also collected a library of 5,000 volumes. In addition to the first frame building which was known for many years as "The College Building," a similar building was erected in 1864 for the academy.

The board of trustees for Pacific University was chosen in part from the old board of Tualatin Academy. Rev Harvey Clark was president of the board and Dr. Atkinson was secretary for forty years; Hon. Alanson Hinman, the latest surviving charter member, succeeded Dr. Atkinson as President of the board and served continuously as trustee until his death in 1908; Hon. H. W. Corbett was a member of the board from 1858 until his death in 1903, and Hon. Henry Failing was treasurer from 1870 until his death in 1898. He was succeeded by Mr. Frank M. Warren who was drowned in the Titanic disaster, April 15, 1912; his son, Mr. George A. Warren, a grandson of Dr. Atkinson, was elected in his father's place. Among the alumni who have served as trustees, Mr. Harvey W. Scott, the first graduate, was president at the time of his death in 1910; Rev Myron W. Eells of the class of 1866, although at great personal inconvenience, never failed to attend the annual meeting.

In scholarship the men chosen by President Marsh for associates in his work have stood high in the records of college-trained men. Rev. Horace Lyman, a professor of history and rhetoric, was much of the time pastor of the Congregational Church; E. A. Tanner was afterward president of Illinois College at Jacksonville; E. D. Shattuck became an eminent jurist; G. H. Collier, who still survives, was for many years professor of science in the University of Oregon; Joseph W. Marsh, professor of Greek and Latin, after forty years of uninterrupted teaching was retired in 1907 on the Carnegie Foundation, and January 28, 1914, his long and useful life was ended; A. J. Anderson was president, first of the University of Washington, and later of Whitman College; Rev. Thomas Condon, who won distinction as the leading geologist of the Northwest, was a professor in the University of Oregon; W. N. Ferrin was professor of mathematics until 1903, when he was elected president of Pacific University; W. D. Lyman, both alumnus and instructor of history in Pacific University, is professor of history in Whitman College.

The death of President Marsh in 1879 closed twenty-six years of service for Pacific University. He was succeeded by Rev. John R. Herrick, S. T. D.; during his short administration a building was erected for young women and subsequently named Herrick Hall. He resigned in 1883, and resumed ministerial service, dying in 1912. Rev. J. F. Ellis, D. D., was president until 1891, when he was succeeded by Rev. Thomas McClelland D. D. Increase of the endowment and the erection of Marsh Memorial Hall were great forward movements of that decade. Liberal benefactors were Dr. D. K. Pearsons, of Chicago; Dr. J. H. Williams and J. H. Converse, of Philadelphia; Mrs. Frederick Billings, of Vermont; Hon. Henry Failing and Hon. H. W. Corbett of Portland. In July, 1898, the National Council of Congregational Churches, then convened in Portland, held a special session in Forest Grove to celebrate the Golden Jubilee of an institution "cradled in missionary enterprise and nurtured by men of pilgrim faith." President McClelland resigned in 1900 to accept the presidency of Knox College, and Professor William N. Ferrin, after serving three years as dean of the faculty, was appointed president in 1903. Within the last ten years a new hall of residence for young women has

replaced the wooden building destroyed by fire in 1906, a well equipped gymnasium has been erected, and a handsome library. This latest addition to the working equipment of Pacific University is a gift from Mr. Andrew Carnegie, with a maintenance fund contributed by friends. It is worthy of note that leading subscriptions for all these newer buildings have come from the Northwest.

In February 1913 President Ferrin resigned, and the following June the trustees elected as President Professor Charles Joseph Bushnell, Ph. D. of the Department of Social Science at Lawrence College, Appleton Wisconsin. He entered upon the administrative work of the College September 1st and was inaugurated on Charter Day, January 14th, 1914. In the work of reorganization an extension secretary is giving his time to a wider publicity of the advantages and present equipment of Pacific University.

No less important than the material growth of Pacific University is the steady advance in standards. In the early years the bachelor's degree was conferred only upon men; for women there was the shorter "Ladies' course" with the degree of "mistress of science." In 1891, the title of the women's degree was changed to B. L., and in 1900 the course was extended to four years. In 1879, women first received the A. B. degree. For a few years different degrees were given to the respective groups of study, but since 1905 all groups receive the common degree of A. B. for 120 approved credits. Until 1878, the degree of A. M. was conferred "in course" upon all classical students; since then the requirements have steadily been raised until the master's degree now means a well defined course of study approved and directed by the faculty. The standards for admission meet the requirements of the Carnegie Foundation. The courses of study have been steadily enriched and enlarged. In 1912, by action of the United States Bureau of Education, Pacific University was placed upon the list of standard colleges. It has also been placed upon the accredited list of the State of Washington, with the understanding "that it shall maintain standards equal to those of the University of Washington." This privilege enables graduates of Pacific University to teach in the schools of Washington without examination. In accordance with an act of the Oregon Legislature in 1910, all graduates who have completed fifteen

hours in Education are given certificates permitting them to teach in the high schools of Oregon without examination. Graduates of Pacific University are admitted for graduate or professional study in all the leading colleges and universities of the country. The alumni fill positions of honor and responsibility not only in Oregon and other states, but even in foreign lands.

CHRONOLOGICAL TABLE

Rev. Harvey Clark began missionary work at Tualatin Plains 1841
Mrs. Tabitha Moffett Brown came to Forest Grove.... 1847
The Orphan School opened in the log church..... 1847
Rev. Geo. H. Atkinson, D. D., arrived in Oregon,..July 1848
Conference at Oregon City, ...September 4, 1848
Tualatin Academy incorporated, ...September 26, 1849
Rev. Cushing Eells, first principal of Tualatin Academy 1849
The raising of the first frame building for Tualatin Academy .....July 4, 1850
Mrs. Elizabeth Miller Wilson taught in Tualatin Academy 1851
Rev. Sidney Harper Marsh, D. D., came to Oregon.... 1853
Tualatin Academy and Pacific University incorporated .....January 10, 1854
President Marsh inaugurated, ...May 3, 1854
Rev. Harvey Clark died,.....March 25, 1858
First commencement 1863
Academy building erected 1864
President Marsh died,.....February 2, 1879
Herrick Hall erected..... 1883
President Thomas McClelland inaugurated, ...June 15, 1892
Ground broken for Marsh Memorial Hall,.....June 21, 1893
Celebration of Golden Jubilee of Pacific University, ... July 9, 1898
President William N. Ferrin inaugurated, ..October 14, 1903
Herrick Hall burned,.....March 11, 1906
The New Herrick Hall dedicated, ...October 30, 1907
The Gymnasium opened,.....June 13, 1910
The Academy building burned, ...October 26, 1910
The Carnegie Library opened,.....October 17, 1912
President Charles J. Bushnell, inaugurated, January 14, 1914

LOCATION

Forest Grove is distinctively a "college town." It is known for its law-abiding, intelligent population, its strong progressive churches, and its beautiful homes. It has never had a licensed saloon in all its history. More favorable conditions for health could scarcely be obtained anywhere. The water supply brought from the mountains ten miles away, is abundant and pure. Typhoid fever and kindred diseases are absolutely unknown. Forest Grove is but twenty-six miles from Portland and is reached either by the Forest Grove division of the Oregon Electric Railway, or by the newly electrified system of the Portland, Eugene and Eastern Railway which is an extension of the West Side Division of the Southern Pacific. Both stations are within a few blocks of the campus. Frequent trains make Forest Grove easily accessible from Portland and the Willamette Valley.

CAMPUS

The campus of the university is a beautiful tract of 30 acres on which all of the buildings, tennis courts and athletic field are located. The massive oaks and natural contour of the land lend a dignity and charm which go to the state, and of which any university might well be proud. make up a campus that, for beauty, is second to none in

ATHLETIC FIELD

The athletic field situated near the gymnasium in the north-east corner of the campus, comprises an excellent four-lap running track, also a fine foot-ball and base-ball field. South of the field and overlooking the finish of the running track is a covered grand-stand with a seating capacity of 500 people.

BUILDINGS

MARSH MEMORIAL HALL. This building, raised in commemoration of the first President, Sidney Harper Marsh, is constructed of brick, with stone trimmings. The dimensions are 142x70 feet. There are thirteen recitation rooms,

a reception room, office, literary society and Christian Association rooms. There is also a commodious chapel, which, when thrown open into the adjoining rooms, will seat 800 people. The building is well lighted and ventilated, and is heated throughout with hot water.

HERRICK HALL. This hall of residence for young women is a brick and stone building three stories high, in addition to a good basement with cemented floor where rooms have been fitted up for the Department of Home Economics. The equipment comprises a hot water heating plant, electric lights, bath and toilet rooms on each floor, hot and cold water in all the rooms, and fire escapes. The dining hall, parlors and music rooms are on the ground floor. Easy stairways lead to the upper floors where both single and double rooms are arranged; in a few cases connecting doorways make it possible to use two rooms en suite. The rooms are furnished with single beds which can be made up as couches to give a more home-like appearance. In addition to the furniture which the institution provides the occupants are required to bring towels, table napkins, couch covers, and necessary bedding (except mattresses and pillows). Small rugs, preferably of washable material would improve the appearance of the oiled wood floors. Whatever else individual taste may suggest can be brought from home. All pictures must be hung from the picture moulding.

A good laundry in the basement gives opportunity to young women who wish to do their own washing or ironing. Plugs for the attachment of electric irons have been installed; each young woman is requested to provide her own ironing sheet.

The hall of residence is the centre of a pleasant family life under such restrictions as the customs of good society and the best interests of the household require. The immediate administration is conducted by the House Government Association; an Advisory Board consists of resident members of the Faculty. The Dean of Women and several members of the faculty reside in the hall. The dining room is open to young men.

Unless by special consent of the Dean of Women all

young women whose homes are away from Forest Grove reside in the hall.

For further information please apply to the Matron, Miss Bertha E. Jennings, at Herrick Hall, or at the office of the University.

THE LIBRARY BUILDING. The college library occupies a handsome new Carnegie building near the southwest corner of the campus.

The building is of white brick, with darker trimmings, and in its effective setting of fine old oak trees makes a notable addition to the college property. The interior is finished in quartered oak and the chairs and tables are of the same material. On the main floor are spacious reference and periodical rooms and a stack room with steel stack of standard design, capable of shelving some 16,000 volumes. The librarian's office, a study room and coat rooms are also on this floor. In the basement is a second stack room, where the greater part of the government documents are shelved, also storage rooms and a large lecture room.

THE GYMNASIUM. This new building was erected during 1910 at a cost of $24,000, contributed largely by citizens of Forest Grove, alumni and other friends of the college. It is a substantial structure with two stories and a basement. The floor of the main gymnasium is 50 x 100 feet, and is well equipped with necessary apparatus.

A gallery with a bowled floor for a running-track surrounds this room. The building contains also a fine swimming pool 20x60 feet, Director's room, Trophy room and separate bath room and locker rooms for young men and young women. A fee of 25 cents a semester is charged to every one using a locker.

SCIENCE HALL. The building known as Science Hall was the first university building erected on the campus. It is still, nevertheless, a serviceable structure, a testimony to the faithful work of the early builders. A lecture room, the botanical and other collections, the biological laboratories, office and store-room are on the first floor; on the second are laboratories for chemistry and physics, lecture room and office. All these rooms have been recently remodeled, but their capacity is taxed by increasing classes.

APPARATUS AND COLLECTIONS

For the work of classes in Chemistry and Biology, special apparatus is provided. A very valuable set of engineering instruments is supplied for the use of students in the mathematics department.

A considerable collection has been made of birds and mammals of this region. The principal invertebrate orders are represented by preserved material in jars. There is also a collection of several hundred marine shells, named and classified.

The botanical collection includes over two thousand native species, several hundred South African species and a museum exhibit of nearly five hundred native species.

A large collection of geological specimens has been obtained from different regions of this country and Europe illustrating both the paleontologic and stratigraphic phases of the study. There are besides a number of ores and similar material for the work in mineralogy.

It is earnestly desired that these various collections may be increased and thus made more useful for purposes of instruction. Small private collections and single specimens are of much greater value when forming part of a larger and well-organized series. The co-operation of alumni and friends of the institution toward this purpose is earnestly solicited. Correspondence to this end may be addressed to any member of the faculty.

THE LIBRARY.

The library contains 18,230 bound volumes, besides numerous pamphlets and unbound material. Being a designated depository of government publications the library acquires from this source some 250 bound volumes yearly. This valuable collection of government documents is available for the use of the students and the public.

In the periodical room may be found some 80 American and foreign periodicals, both of a general and technical interest, and several daily and weekly newspapers are on file here. The magazines of permanent value are bound and added to the already large collection in the general library.

Among the books added by recent gift should be mentioned a collection of nearly 300 volumes from the

library of Mr. and Mrs. D. W. Craig and Miss Emma S. Waterous of Salem. The chief treasure of this collection is a well-preserved copy of a book printed at Florence in 1482, less than 40 years after the invention of printing by Gutenberg. The book was written by an Italian scholar, Marsilio Ficino, and is a commentary, in Latin, on Plato's work on the immortality of the soul. It is probably one of the earliest printed books this side of the Rocky Mountains, and Pacific University is greatly indebted to Mr. Craig for the honor of owning it.

The library acquired a number of other bibliographical treasures in the Craig collection. Among them are an interesting copy of the works of Virgil from the press of the famous Flemish printer Ascensius in Paris, bearing the date 1507; a folio volume of Beroaldo's commentary on the Metamorphosis of Apuleius, printed at Venice in 1501, a quaint vellum bound copy of the "Punica," or history of the Punic wars, written by Silius Italicus and printed at Basle in 1522, another vellum-bound copy of "Postilla in Evangelia" with no imprint date, but probably dating from about 1550, a rare quarto edition of the orations of Lysias, and a hand-bound edition of the Latin classics, in 42 volumes, from the press of Teubner at Leipzig, 1850 to 1875.

The efficiency of the library is assured by an endowment of about $25,000, the income of which is used for maintenance and for the purchase of books. The classification and cataloguing of the library will be completed by the close of the present college year.

The use of the library is free to students and alumni of Pacific University, to graduates of other colleges and also to clergymen. A fee of $3 per year is charged to other persons who may wish to draw books from the library.

Administration and Organization

IDEALS AND REGULATIONS.

It was the purpose of the founders of Pacific University to offer the young men and the young women of the Pacific Northwest a thorough education under Christian influences. As a Christian college it aims to develop manly and womanly character and to train the students for lives of service.

The institution does not desire the attendance of any students who are not industrious and well disposed, or who are too wayward for home restraint. To such as are earnest it affords the advantages of a quiet and orderly community with all the opportunities of study and mental development afforded by any institution on a firm foundation.

The ultimate control in all matters pertaining to the conduct of the students is in the hands of the Faculty. It is their desire to lay no unnecessary restrictions upon any. Students are presumed to have regard for the general rules of good manners and good morals; they are expected to be orderly, faithful, respectful and honest, and to render a cheerful compliance with such regulations and requirements as the faculty may, from time to time, find it necessary to make.

Non-resident students in special departments are subject to the general rules of the institution.

Young women are admitted to all courses of study on equal terms with young men, and so far as they are pursuing the same studies they recite togther. All the young women of the institution are under the supervision of the Dean of Women.

MORAL AND RELIGIOUS CULTURE.

This is a Christian institution and aims to give its students a thorough education; it believes that the highest intellectual culture, and the greatest moral excellence can be obtained only as they are developed from the principles of Christianity. At the same time it seeks to avoid a narrow sectarianism; it opens its doors to students of all denominations.

All students are required to attend a daily devotional service at the chapel, and church services at least once on Sunday. Each student attends the church of his choice. Bible study occupies an important place in the curriculum, and a strong department of Biblical Language and Literature is maintained.

SOCIAL LIFE

Pacific University is a co-educational school, and the social life of the institution is modified by these conditions. The only restrictions are those that are generally recognized as the customs of good society. The social supervision is exercised by the Dean of Women and the committee on Student Social Affairs. Class and other organizations give opportunity for pleasant social relations, and once during the year each literary society gives a formal function. The college receptions bring together the entire faculty and the student body. All College Day, and other special days also afford opportunity to show loyalty and enthusiasm as an important element in college life.

ATHLETICS AND PHYSICAL EDUCATION

Special attention is given to the health of the students. The department of Physical Education has been placed on the same basis as other college work. The purpose is not the development of professional athletes, but to promote the student's health and usefulness by directing his physical activities and acquainting him with the means of bodily development and the preservation of health.

All freshmen, sophomores, and special students, are required to take gymnasium work two hours per week, unless excused specifically by a properly authorized official. The uniform suit of Pacific University is required.

In all classes the work is graded and each division of the class is given exercises suited to the needs of the individual. A physical examination is required of all students at the beginning of each college year.

Out of door sports are encouraged. Teams for foot-ball, basket-ball, base-ball, tennis, track, and other field athletics are regularly organized for the men; and basket-ball, tennis and other games for the women. Emphasis is placed not

so much on the production of a few expert teams as on the cultivation among all the students of a love of outdoor life and clean athletic sport.

The splendid swimming pool in the gymnasium affords special opportunity for training in the art of swimming, for both men and women. Both faculty and students take part in athletics.

STUDENT ORGANIZATIONS

THE STUDENT BODY is composed of all the students enrolled in Pacific University. It bears the responsibility of the various student enterprises. It is a deliberative body presided over by its own president. Its administrative board is the Student Senate.

THE STUDENT SENATE. The Student Senate is composed of student representatives of each of the leading student organizations in the institution. The duties of the senate are "to superintend the events of All College Day, and to have charge of general student college events; to serve as medium of communication between the students and the faculty; to take charge of all student elections; to present the official "P;" to bring before the student body such questions of general interest as shall seem advisable; and to undertake such other duties as may be assigned by the student body or the faculty."

The object of this organization of the students is to increase the sense of responsibility of the students for the proper and successful conduct of college affairs, and to recognize their interest in the welfare of the institution.

THE CHRISTIAN ASSOCIATIONS. Branches of the College Young Men's and Young Women's Christian Associations are maintained by the students and prayer meetings are held every Tuesday evening, to which all students are invited. Classes for Bible study and Mission study, following the plan of the International committee, are maintained by both associations. A room in Marsh Hall is suitably furnished for use of these societies. A useful handbook is published each year and may be obtained by applying to the Presidents of the associations.

THE LITERARY SOCIETIES. There are four literary

societies for the students—the Gamma Sigma and Alpha Zeta for the men, and the Philomathean and Kappa Delta for the women. Membership is by election by the society. They meet weekly and are the means of developing and fostering literary excellence. Essays, orations and discussions are presented and a familiarity with parliamentary rules is gained. Suitable rooms are provided for the societies in the College buildings.

FORENSIC ORGANIZATIONS. Pacific University is a member of the Oregon Intercollegiate Oratorical Association, and the medal has been won several times by the University representative.

The students participate annually in intercollegiate debates, and have met with a good degree of success in debating with strong college teams.

In January 1914 at the annual meeting of the Phi Alpha Tau Fraternity a charter was granted to Pacific University. This honorary fraternity is organized to promote the interest of public speaking. The qualifications for membership are good general scholarship, special excellence in public speaking, representation of the college in debate, oratory or dramatics.

THE INTERCOLLEGIATE PROHIBITION ASSOCIATION. Pacific University is affiliated with the Intercollegiate Prohibition Association through an organization of students. Honors have frequently been won both in the state and interstate contests.

THE INDEX. The Index is the college paper and is published every Tuesday during the college year by a board of student editors elected annually by the student body. It is a record of college life and is a useful bulletin of all events relating both to student affairs and the administrative work of the college.

THE ORCHESTRA. The Orchestra, which has been such a successful part of past conservatory programs and Glee club trips, owing to the loss by graduation and otherwise, has had to use a number of new recruits in its ranks this year. Players of orchestral instruments, especially violin students and cello players are desired at this time.

It is desired to keep the orchestra a good and creditable

college organization and to that end students who have more or less mastery of their instruments are welcomed.

The orchestra has numbered about twelve members the past year.

THE GLEE CLUB. The Glee Club is composed of sixteen young men, selected by competition, open to all the men students. The Glee Club has already appeared at Chapel affairs and in Portland at various entertainments with much appreciation. An annual "Glee Club" trip is usually made during the spring vacation in April. The Glee Club also carries a male quartette, pianist, reader and orchestra in addition to those members previously mentioned. The quartette during the past year consisted of Joseph H. McCoy, Leslie E. Webb, Thayne M. Livesay and S. Verle Stanley.

CHORAL UNION. The Choral Society meets once each week during the first Semester.

The membership is not limited to the college students but is composed in part of High School and outside singers, the only requirements being those of regular attendance at rehearsals and the possession of a singing voice.

ATHLETIC ORGANIZATIONS. The recognized games of the Athletic Association are football, basketball, track athletics, and tennis. An effort is made to get every man at work in some form of athletics.

Foot-Ball. Pacific's foot-ball teams have always an enviable record. During the last two years Pacific has lost only one game.

Basket-Ball. Basket-ball is popular during the winter months and the gymnasium furnishes a fine floor for its enthusiasts. Competition between the classes is keen for the possession of the "Shaver Cup", a trophy given by one of our graduates to the winner of the inter-class basket-ball championship.

Track and Baseball. In the spring attention is divided between track and base-ball. The athletic field and track is one of the best in the state. An indoor meet, the hexathlon, is held during the winter months, in which all the Independent Colleges of Oregon compete.

Tennis. Two well equipped tennis courts are provided

for the students and are constantly in use during the season.

Athletic Council. The whole department of athletic sports is controlled by the Pacific University Athletic Association, which consists of practically the entire student body and faculty. The immediate supervision of the work of the Association is in charge of the Athletic Council of nine members, consisting of three members of the faculty, appointed by the President, and six members of the student body, elected by the students.

FESTIVAL DAYS.

ALL COLLEGE DAY. The thirtieth of October is set apart as "All College Day" and is observed as a general rally of student organizations, interclass contests and other public sports, the Freshmen initiation in the presence of the faculty and student body and the burying of the Freshman-Sophomore hatchet. The exercises close with the annual Halloween banquet.

CAMPUS DAY. On a specially appointed day after the leaves have fallen from the college oaks the student body organizes into groups to put the grounds in order for the winter. At noon the Home Economics Department serves a picnic luncheon, and later in the day the more purely recreational side of college life is appropriately observed.

CHARTER DAY. On January 10, 1854, the Territorial Legislature of Oregon gave a new and enlarged charter to Pacific University. That suitable recognition may be given to the founding of this institution January 10, or the Wednesday following that date is observed as "Charter Day." The annual programme recalls the early days and presents the purpose of the founders of Pacific University.

The Charter Day address in 1915 was given by Rev. Luther R. Dyott, D. D., of the Board of Trustees.

WASHINGTON'S BIRTHDAY. Washington's Birthday is an annual holiday at Pacific University. In the morning an address on a patriotic theme is given before the student assembly and the friends of the institution by an orator appointed for the day. In the evening it has for many years been the privilege of the Freshman Class to present a play

and other exercises representative of college life. February 22, 1915, the annual address was given by Mr. W. D. Wheelwright of Portland on "Peace and War."

FIELD DAY. On Field Day is held a contest between the classes for the Millis cup. The contest also serves as a "tryout" for other track events coming later in the season.

MAY DAY. May Day is observed with an appropriate celebration under the management of the Christian Associations. The May Queen is crowned in the morning and field sports are held on the athletic field in the afternoon.

EXPENSES

TUITION. The tuition and all fees are due in full in advance each semester, and charges for rooms and board in college buildings are due in advance each quarter semester. All monies are payable to the Local Treasurer.

College Tuition, per semester $30.00

Each student pays an incidental fee of three dollars per semester, to be used for library, reading room and athletics, and two dollars for a Student Body ticket providing admittance to all athletic games and student entertainments, and subscription to the college paper published by the students.

For laboratory courses a fee is charged varying from two to five dollars per semester. The exact amount is given under the description of each course.

For a single five hour course one-half the regular rate of tuition is charged. For other courses up to the amount of five hours the charge is three dollars for each semester hour of college work and two dollars for each semester hour in academy courses. For more than five hours' study full tuition is required.

All arrangements for tuition and other fees are to be made with the treasurer before attending recitations. The instructors are authorized not to receive any into their classes who cannot present a registration card properly stamped by both Registrar and Treasurer.

Money paid in for tuition will be refunded only when the student has been excused before the middle of the semester on account of illness, in which event one-half the semester's

tuition will be returned. The same rule applies to laboratory fees except when a change in enrollment is made and reported within the first two weeks after enrollment.

A fee of fifty cents, to be paid to the Local Treasurer, will be charged for any special or extra examination. A special enrollment fee of one dollar is imposed upon students who register later than the enrollment days announced in the College Calendar.

It is estimated that the average necessary expenses for a college year range from a minimum of $200.00 to a maximum of $400.00.

BOARD AND ROOM IN HERRICK HALL. The price of room and board, including heat and light, and the use of the laundry is $90 per semester for each person. This is not a rate by the week and is made with the understanding that prompt payment is to be made in advance, for at least each quarter semester. Settlements for less than one quarter semester will be charged fifty cents a week above the average of usual rates.

A limited number of young men will be received to table board at the Hall, at a rate of $63.00 per semester, with the same understanding as to time and payment specified above.

No allowance will be made for occasional absence except that, in case of necessary absence extending to three days or more, an allowance on board of fifty cents a day for all time in excess of two days will be made. Ten cents will be charged at Herrick Hall for all meals served in the rooms and for all meals served at irregular hours.

BOARDING CLUBS organized and carried on by the young men with board at actual cost are given every possible encouragement by the college. It is the wish of the institution to inculcate all reasonable economy by its students.

Young men may also obtain rooms in private families in town at various prices. An approved list of such places may be obtained from the President or the Registrar.

STUDENT AID

STUDENT EMPLOYMENT IN RESIDENCE. The College desires to encourage self-supporting students, and

such are enrolled every year. Assistance is rendered students in finding employment. Janitor service, assistance in the Library or the laboratories and waiting on tables are specific ways by which some of the students meet part of their expenses. Other opportunities present themselves in business houses, or in private families. As a rule no capable young man or woman in good health, and with a determination to undertake a college course, need fail to secure a degree.

LOAN FUNDS. In the later years of a college course it is often recommended that the student, in order to receive the greatest advantage should secure a temporary loan at a low rate of interest from some loan fund, or private source. Young women in Pacific University have availed themselves of scholarships through the Oregon Federation of Women's Clubs, and from the P. E. O.

The Congregational Education Society assists students in college who wish to prepare for the Christian ministry.

HALF TUITION. Sons and daughters of ministers in actual service are admitted upon payment of one-half tuition, if they are dependent upon their parents.

SCHOLARSHIPS. Through a bequest of $10,000 by Mr. Charles Atkinson of Moline, Ill. the Atkinson scholarship fund has been established. The income is awarded each year to worthy students who are in need of such assistance. Any one who indulges in tobacco, or has any expensive habits is debarred from such aid. The income from the Benedict Fund of $2,000 is given to young women. Aid may be withdrawn at any time from students who fail to conform to any of these conditions. It is permanently withdrawn after a second forfeiture by unsatisfactory deportment or low standing in studies. Recipients of scholarship aid may be called upon for special assistance in ways that do not interfere with college work.

In awarding these scholarships preference is given to students who intend to become candidates for a degree.

A scholarship providing $50.00 for one year is awarded the student in any secondary school on the full accredited list who attains the highest rank in his class on completing the required 15 units for college entrance.

Should the work of the first semester prove unsatisfactory the scholarship is withdrawn.

Applications for aid in any of these forms must be made in writing upon blanks furnished at the President's office, and the applications must be renewed each semester.

APPOINTMENT BUREAU. In order to be as helpful as possible in placing its students and graduates in desirable positions and also to help those seeking to fill such positions, the management has arranged for an appointment committee.

This committee asks that all students or graduates desiring employment or better positions file with it a statement of their qualifications and wishes in the matter and it invites also the inquiries of those having employment to offer in teaching or other desirable lines. No charge will be made for the committee's service as it is hoped that assistance enough can be rendered toward getting the right person in the right position to justify the extra work involved.

The committee will have charge of appointments for employment of students both outside of the institution and within the institution.

ALUMNI ORGANIZATIONS

THE ASSOCIATE ALUMNI is the official organization of the Alumni of Pacific University. The annual meeting for the election of officers is held at Forest Grove during Commencement Week. Occasional meetings are held in Portland. The organization is associated with many enterprises for the advancement of the College. Several members are connected with the Board of Trustees. Mr. William T. Fletcher of the class of 1900 is at present the especially appointed representative of the Alumni. Members of the organization and other past students are always welcome visitors at Pacific University, and a few years ago the grandchildren of Rev. and Mrs. Elkanah Walker who were early benefactors furnished a room in Herrick Hall for the accommodation of former students.

College Extension and Public Lectures

THE COLLEGE EXTENSION DIVISION.

EXTENSION SECRETARY. In January 1914 the systematic work of college extension was begun by an Extension Secretary.

An Agricultural Experiment Station of the U. S. Department of Agriculture has been located at Pacific University with Mr. Cecil W. Creel in charge, and arrangements have been made for young men interested in agriculture to assist in this work.

EXTENSION CLASSES. Extension classes are also organized by special arrangement.

For further information and appointments, address Prof. Wm. M. Proctor, Chairman College Extension Committee, Pacific University, Forest Grove, Oregon.

EXTENSION LECTURES. Pacific University has always stood for a high standard of education and a large and generous service to the public. In pursuance of this policy, the college has inaugurated an Extension Lecture Service, consisting of popular addresses (many of them illustrated), on live educational and social questions of the day, by the Faculty of the College, for High Schools, Libraries, Women's Clubs, Churches and other organizations that may wish to co-operate in this public service.

The terms on which these addresses are given are simply for payment of transportation and entertainment of the speakers. Where a stereopticon is used, the local organization will generally be expected to furnish the lantern outfit and operator.

PORTLAND LIBRARY LECTURES

The following course of lectures was given by Pacific University in the Portland Public Library, Wednesday evenings at eight o'clock from January 20th to March 24th, 1915, in pursuance of the College's policy to be of the widest possible service to the community. That this lecture service seems to be appreciated is indicated, not only by the large attendance upon the course of last year, but by the fact that the

audiences of the course made an unusually large number of calls upon the Library for the readings suggested:

January 20th—American Colleges and Universities (Illustrated), President C. J. Bushnell, Ph. D.

January 27th—William Sharp—Fiona Macleod, A Dual Personality in English Letters, Dean Mary F. Farnham, Litt. D., with songs from Fiona Macleod by Mrs. F. T. Chapman.

February 3rd—Vitruvius, an Interesting Old Roman of the Golden Age, Professor F. C. Taylor, A. B.

February 10th—The Treatment of Delinquent and Dependent Children, (Illustrated) Dean W. M. Proctor, A. M.

February 17th—An Evening with Favorite Poets—Readings and Discussions, Professor W. G. Harrington, LL. B.

February 24th—Battle Abbey as a Waymark in English Life, Dean Mary F. Farnham, Litt. D.

March 3rd—An Evening with Favorite Poets—Readings and Discussions, Professor W. G. Harrington, LL. B.

March 10th—The Place of Religious Instruction in Public Education, Dean W. M. Proctor, A. M.

March 17th—Interesting Phases of the Psychology of Habit, Professor H. L. Bates, A. M.

March 24th—The New Enlightenment, President C. J. Bushnell, Ph. D.

THE RAYMOND LECTURES

The following Extension Lectures were given during the First Semester in the important centres of the Pacific Northwest as well as at Pacific University by Jerome Hall Raymond, Ph. D., Extension Lecturer for Pacific University on The Underlying Causes of the War-Madness in Europe:

Constantinople: The Long-Envied Bone of Contention of the Great Powers.

Russia: The Giant Guardian of the Slavs and Their Ambitions.

Austria-Hungary: The Seething Whirlpool of Race-Antagonisms.

Germany: The Death-Grapple of Militarism and Social Democracy.

Paris: The Expiring Effort of Reaction Against the New Radicalism.

London: The Anglo-Saxon Struggle for Twentieth Century Progress.

THE SOCIAL DUTIES OF WOMEN

Thursday afternoons in the Spring Semester a course of lectures by leading women of Oregon is given in the parlors of Herrick Hall before the women of Pacific University. It is the purpose of this course not only to bring before the young women, in an intimate way, opportunities of the larger life of our day, but also to make the students acquainted with women who are directly related to the social and civic life of the Pacific Northwest.

PROGRAM

I. Fine Arts and Home Making

February 11th—College Plays and Pageants, Miss Josephine Hammond.

February 18th—Music Organizations and Opportunities for the College Woman, Mrs. Russell R. Dorr.

February 25th—Recreational Reading for The College Woman, Miss Philura E. Murch.

Mar. 4th, at three o'clock—Home Decoration, Mrs. R. M. Tuttle.

Mar. 11th—Gardens and Gardening, (Illustrated) Miss Alice V. Joyce.

Mar. 19th, at eight o'clock—Modern Art (Illustrated) Mrs. H. C. Wortman.

II. Social and Civic Culture

Mar. 25th—The Portland Woman's Club and Its Work, Mrs. Frederick Eggert.

Mar. 30, at five o'clock—Women's Responsibilities and Opportunities in Oregon Politics, Mrs. Sarah A. Evans.

Apr. 8th—The Parent-Teachers Association, Mrs. Emma Frazelli.

Apr. 15—The Congress of Mothers, Mrs. Aristine Felts.

III. Physical Culture

Apr. 23rd, at five o'clock—Hygiene for College Girls, Dr. Bertha Stuart.

Apr. 29th—Health and Good Taste in Dress, Mrs. J. C. Elliott King.

IV. Philanthropy and Religion

May 6th—The Portland Bureau for the Protection of Women, Mrs. Lola G. Baldwin.

May 13th—The Portland Y. W. C. A., Miss Carrie Holbrook.

May 20th—Women and Children in Industry, Mrs. Millie R. Trumbull.

CHAPEL ADDRESSES.

During the first semester the following addresses have been given at the morning chapel exercises.

September 16th—Opening Day, President Bushnell, The Significance of Education at Pacific University.

October 8th—Dean William M. Proctor, Peace Address.

October 19th—Rev. F. M. Sheldon, Secretary The Congregational Society, The Highest Aim of Education.

October 21st—Jerome Hall Raymond, Ph. D., The World Tendency Toward Democracy.

October 22d—Hon. Stephen A. Lowell, Opportunities of Today for College Men and Women.

October 28th—Rev. Hubert C. Herring, D. D., Secretary of the National Council of Congregational Churches, The Basis of Our Faith.

November 18th—Rev. J. Francis Ashley, The Field of Armageddon.

November 25th—Rev. Otis H. Holmes, Dominant Ideals in National Life.

December 2nd—Rev. R. E. Dunlap, D. D., The Blessings of Discontent.

December 9th—Rev. J. E. Walker, D. D., The China of To-day.

January 6th—President Bushnell, Personal Efficiency.

January 13th—Charter Day, Rev. Luther R. Dyott, D. D., The Founders of Pacific University.

February 9th—Rev. H. C. Mason, D. D., The Joy of Living.

February 10th—Rev. C. E. Cline, D. D., Abraham Lincoln.

February 22nd—Washington's Birthday, W. D. Wheelwright, Peace and War.

THE COLLEGE OF LIBERAL ARTS.

The high standard of the work done in this institution is recognized by the larger universities East and West, and graduates of Pacific University have been admitted to graduate standing, and undergraduates have also been given equal rank without examination in a number of the best colleges and universities.

Admission and Selection of Studies

REQUIREMENTS FOR ENTRANCE.

Candidates for admission to Pacific University must present an official statement of work done by them in other schools and a certificate of good moral character. These papers should, if possible, be in the hands of the registrar before September 1st, in order to avoid delay in registration. The age required for entrance is fifteen years with a proportionate increase to enter advanced classes.

The scholastic requirements for admission are stated in terms of units. The term UNIT means the equivalent of five recitations per week for one year in one branch of study. In closely allied branches not usually taught in periods of one year each, such as Botany and Zoology, units may be constructed by adding the respective time values of such studies. In any subject three recitations a week for one year and a half may be counted as one unit.

Fifteen units are required for admission.

I. The following nine and one-half units are required of all candidates for entrance.

English	3	units
Mathematics	2½	units
History or Social Scienec	1	unit
Natural Science	1	unit
Foreign Language	2	units

Either Ancient Language (Latin, Greek, etc.) or Modern Language (German, French,) may be offered to satisfy the Foreign Language requirement, but at least two must be

in the same language, i. e. two units of Latin etc. or two of German etc.

II. In addition to the nine and one-half units under I., enough units must be offered from the following elective subjects to bring the total up to fifteen.

Latin	1 to 2 units
Greek	1 to 2 units
German	1 to 2 units
French	1 to 2 units
Spanish	1 unit
Zoology	½ to 1 unit
Botany	½ to 1 unit
Chemistry	1 unit
Physics	1 unit
Physiography	½ to 1 unit
Agriculture	½ to 1 unit
Astronomy	½ unit
English	1 unit
History, Civics, Economics	2 units
Mathematics	½ to 1 unit
Commercial Subjects	½ to 1 unit

Also from ½ to 2 units from either Mechanical or Freehand Drawing, Manual Training or Domestic Science and Art.

These requirements are in accordance with the recommendations of the Carnegie Foundation for the Advancement of Teaching. They also correspond to the work of the High Schools of Oregon, and are in harmony with recommendations made by the National Education Association at the annual meeting in Salt Lake City in 1913.

CONDITIONS AND ADVANCED CREDIT.

A student may be admitted to the Freshman Class with a deficiency of not more than one unit of entrance credit; but such deficiency must be made up within the year.

Applicants for advanced standing in any course must satisfy the instructor by examination or otherwise as to the amount and character of work upon which such application is based.

No College credit will be given for preparatory work, nor will college rank be given to a student whose work is academic.

SPECIAL STUDENTS.

In the arrangement of the courses the established fact is recognized that fixed schemes of study must be maintained in the interest of higher education, and students are strongly advised and encouraged to enter the regular courses.

All the privileges of the University, however, are open to students pursuing partial courses as far as they are prepared to take advantage of them. Such special students in any course or department, not candidates for a degree, will be entitled to certificates of proficiency in all branches of study.

ACCREDITED SCHOOLS.

Graduates of any four year High School or other Secondary School having a course of study equivalent to the above requirements and which has been approved by the Faculty, will, when recommended by the principal of the school for admission to any college course, be admitted without examination. Schools may be accredited for partial fitting, and students will be required to pass examination in such subjects as are not credited in the entrance requirements.

If the preparation of the student who is admitted by certificate is found to be wanting in thoroughness, the privilege of sending students in this manner may be withdrawn from the school that has certified his preparation.

REQUIRED COURSES.

All candidates for the Bachelor's Degree must have completed the stated number of hours in the following subjects, and are expected to complete the work during the years indicated:

Subject	Hours	To be completed
1. Bible	4	At any time
2. Biology or Chemistry	10	Freshman or Sophomore
3. English Language and Literature	10	Freshman and Sophomore
4. Introductory Sociology	4	Sophomore or Junior
5. History	6	Freshman or Sophomore
6. Mathematics or Ancient Language	8	Freshman or Sophomore

7. Modern Language	6	Freshman or Sophomore
8. Psychology	6	Junior or Senior
9. Ethics	4	Sophomore or Junior
10. Public Speaking	4	Freshman or Sophomore
11. Physical Education	8	Freshman and Sophomore

(No credit given)

For sequence of courses, see departmental descriptions.

SUGGESTED COURSES.

The following suggested courses have been prepared as an aid to students in outlining their courses of study in the college. To the student expecting to continue his or her education in a professional school, these suggested outlines are intended to serve as a key to the courses obtainable in Pacific University that have an intimate bearing upon the work of the various professions. The pre-professional courses here outlined are strictly suggestive, but each is so planned as to contain all the required subjects mentioned on page 43, and also a major subject of 24 hours, and a minor subject of 16 hours. (The numbers in parenthesis after the subject of the course indicate the total number of semester hours in the subject during the year.)

BUSINESS

Freshman.	Hrs.	Junior.	Hrs.
Mathematics 1, 2,	(8)	Psychology	(6)
Development of English Literature	(3)	Introductory Sociology	(4)
Periods of American Literature	(3)	Elements of Political Science	(2)
Mediaeval and Modern History	(6)	Bookkeeping	(3)
German	(10)	Extemporaneous Speaking	(4)
Bible	(4)		
Sophomore.		**Senior.**	
General Chemistry	(10)	Ethics	(4)
Daily Themes	(4)	Banking and Finance	(2)
American History	(4)	International Law	(2)

German	(6)
Elements of Economics and Advanced Economics	(6)
Commercial Law	(2)
American City Government	(2)

EDUCATION

Freshman.

	Hrs.
Periods of American Literature	(3)
Development of English Literature	(3)
Chemistry or Biology	(10)
Modern Language	(10)
Mathematics or Ancient Language	(8)

Sophomore.

Themes	(4)
Mediaeval and Modern History	(6)
History of Education	(4)
Classroom Management	(4)
Elements of Economics and Economic Problems	(6)
Modern Language	(6)
Logic	(4)

Junior.

	Hrs.
Elements of Expression	(4)
American History	(4)
History of American High Schools	(2)
Elements of Political Science	(2)
Introductory Sociology	(4)
Psychology	(6)
Pedagogical Psychology	(2)
Child Problems	(2)
American City Government	(2)

Senior.

Bible	(4)
Elements of Secondary Education	(3)
Constitutional Government	(2)
Philanthropy and Reform	(4)
Ethics	(4)
Religious Education	(2)
School Law	(2)
Social Ideals in English Literature	(4)
Comparative Constitutions	(2)

ENGINEERING.

Freshman.	Hrs.
Mathematics, 1, 2,	(8)
Development of English Literature	(3)
Periods of American Literature	(3)
Modern Language	(6)
Mediaeval and Modern History	(6)
General Chemistry	(6)

Sophomore.	
Analytical Geometry	(5)
Calculus 1	(5)
Mechanical Drawing	(6)
Modern Language	(6)
Daily Themes	(4)
Quantity and Quality Analysis	(6)

Junior.	Hrs.
Calculus 2	(5)
Mechanics	(5)
Psychology	(6)
Elements of Economics	(4)
College Physics	(10)
Extemporaneous Speaking	(4)

Senior.	
Astronomy	(5)
Bible	(4)
Introductory Sociology	(4)
Descriptive Geometry	(5)
Surveying	(6)
Geology	(6)
Ethics	(4)

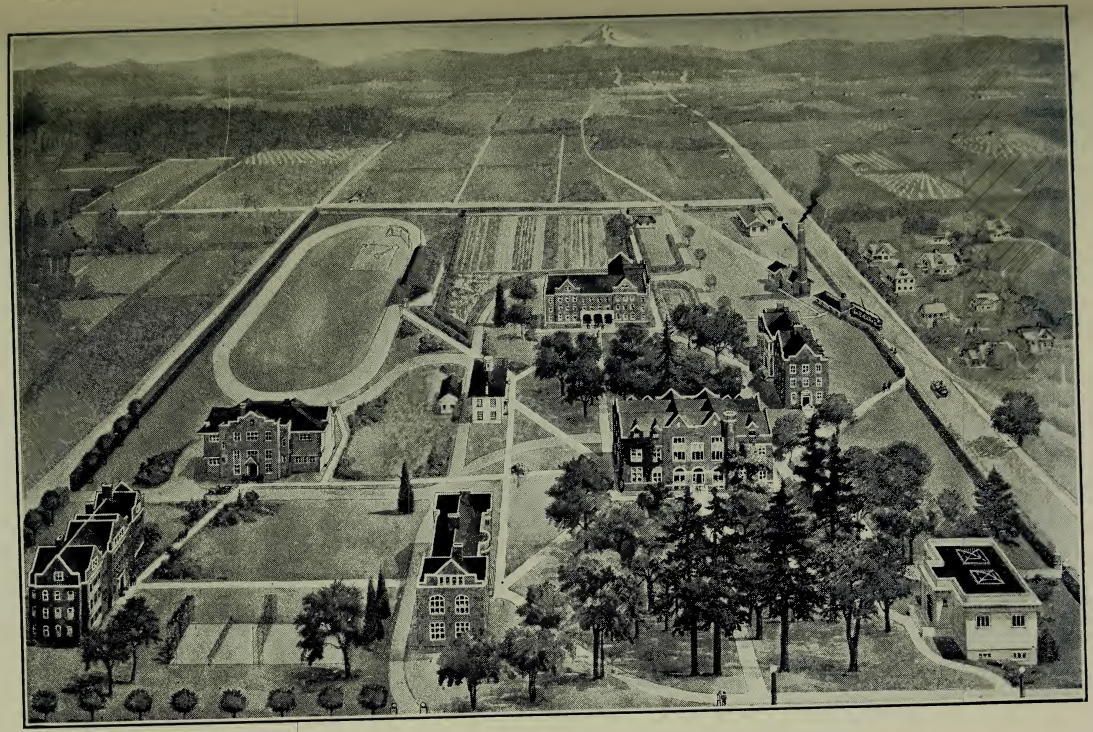
HOME ADMINISTRATION.

Freshman.	Hrs.
Mathematics 1, 2,	(8)
Chemistry	(10)
Mediaeval and Modern History	(6)
Textiles	(2 or 3)
Sewing	(4)

Sophomore.	
Modern Language	(10)
Biology	(10)
Evolution of the House	(4)

Junior.	Hrs.
Psychology	(6)
History of Art	(6)
Development of English Literature	(3)
Periods of American Literature	(3)
Costumes	(2)
Cooking	(4)
Physiology and Hygiene	(3)
Household Chemistry	(3)

Senior.	
Ethics	(4)
Introductory Sociology	(4)
Elements of Economics	(4)



CAMPUS OF PACIFIC UNIVERSITY AS PLANNED.

Cooking	(4)	Home Management	(4)
Daily Themes	(4)	Elements of Public Speaking	(4)
		Food and Dietics	(2)
		Sewing	(4)
		Social Ideals in English Literature	(2)
		Bible	(4)

JOURNALISM

Freshman.

	Hrs.
Mathematics 1, 2,	(8)
Development of English Literature	(3)
Periods of American Literature	(3)
Biology or Chemistry	(10)
Foreign Language	(6)

Junior.

	Hrs.
Comparative Constitutions	(2)
History of Western Settlement	(4)
Child Problems	(2)
Psychology	(6)
Practical Journalism	(4)
Oratory	(6)
Introductory Sociology	(4)
Development of English Language	(2)
Development of Literary Criticism	(2)

Sophomore.

Bible	(4)
Daily Themes	(4)
Modern Language	(6)
Mediaeval and Modern History	(6)
Principles of Economics	(4)
American City Government	(2)
Elements of Political Science	(2)

Senior.

History of Art	(6)
Public Speaking and Debate	(6)
Ethics	(4)
Social Ideals in English Literature	(4)
Philanthropy and Reform	(4)
Elective	(8)

LAW

Freshman.

	Hrs.
Mathematics 1, 2,	(8)
Development of English Literature	(3)
Periods of American Literature	(3)
Mediaeval and Modern History	(6)
Cicero and Vergil	(10)
or Livy and Horace	(6)
Elements of Expression	(4)

Sophomore

Principles of Economics	(4)
Economic Problems	(2)
Chemistry	(10)
American History	(4)
Oratory	(6)
Daily Themes	(4)

Junior.

	Hrs.
Bible	(4)
Logic	(4)
Introduction to Philosophy	(2)
French	(6)
Sociology (Introductory)	(4)
Elements of Political Science	(2)
Constitutional Government	(2)
Debate	(6)

Senior.

Comparative Constitutions	(2)
American City Government	(2)
Finance and Banking	(2)
Philanthropy and Reform	(2)
Extemporaneous Speaking	(6)
Psychology	(6)
Ethics	(4)

LIBRARY SCIENCE

Freshman.

	Hrs.
Development of English Literature	(3)
Periods of American Literature	(3)
Livy and Horace	(6)
General Chemistry	(10)
German	(6)
French	(6)

Sophomore.

Daily Themes	(4)

Junior.

	Hrs.
Development of English Language	(2)
Development of Literary Criticism	(2)
Introductory Sociology	(4)
Psychology	(6)
American History	(6)
Bible	(4)

Senior.

Ethics	(4)

Tacitus and Pliny	(4)
Biology	(10)
Modern and Mediaeval History	(6)
Elements of Public Speaking	(4)
German	(6)
Elements of Political Science	(2)
American City Government	(2)
English History	(6)
Electives	(16)

Latin of the first year should be preceeded by four years of High School Latin; German by two years of High School German, and French by two years of High School French. In case of a language not begun in High School, the amount of time devoted to it in college should be increased.

MEDICINE

Freshman.

	Hrs.
General Chemistry	(10)
Development of English Literature	(3)
Periods of American Literature	(3)
German or French	(6)
Elements of Expression	(4)
Latin or Mathematics	(8)

Junior.

	Hrs.
Biology	(10)
Chemistry (Carbon Compounds)	(10)
Mediaeval and Modern History	(6)
Psychology	(6)

Sophomore.

Biology	(10)
Quantity and Quality Analysis	(8)
Daily Themes	(4)
College Physics	(10)
Bible	(4)

Senior.

Chemistry (Physiological)	(10)
Biology	(10)
Elements of Political Science	(2)
American City Government	(4)
Introductory Sociology	(4)
Ethics	(4)

French is to be elected if not presented for entrance.

MINISTRY

Freshman.	Hrs.
Development of English Literature	(3)
Periods of American Literature	(3)
Biology	(10)
Greek	(6)
Modern Language or Latin	(10)
Bible	(2)

Sophomore.	
Daily Themes	(4)
Mediaeval and Modern History	(6)
Greek	(6)
Modern Language	(6)
Elements of Political Science	(2)
American City Government	(2)
Bible	(2)
Oratory	(6)

Junior.	Hrs.
English Literature	(6)
Introductory Sociology	(4)
Greek or Modern Language	(6)
American History	(6)
Psychology	(6)
Debate	(6)

Senior.	
English Literature	(4)
Extemporaneous Speaking	(4)
Elements of Economics	(4)
Ethics and Philosophy	(10)
Religious Education	(2)
Charities and Corrections	(2)
Bible	(4)

LIMITS OF WORK

For the completion of any course 120 hours are required, an average of 15 hours each semester. Freshmen are not expected to undertake more than 15 hours per week and it is seldom that any student can carry more than 17 hours profitably. Registration for more than this amount will be allowed only on condition that no grade of the preceding semester is below 85 per cent, and when it is evident that the work can be done without detriment to the student's health. Requests for permission to take such additional work must be presented to the faculty in writing at time of registration.

An hour's credit is given for: (1) attendance through one semester at one regular class exercise per week with a suitable amount of preparation which should be not less than

two hours for each recitation; (2) for one laboratory exercise of not less than two and one-half hours per week, through one semester.

The Faculty reserves the right to withdraw any elective if it be not chosen by a sufficient number of students to constitute a class.

Each student who is a candidate for the Bachelor's Degree shall elect one major subject of 24 hours and one minor subject of 16 hours. Work done in a secondary school for which college credit is allowed will not be counted toward the 24 hours required for the completion of a major subject.

Major subjects must be chosen and entered on registration blanks at the beginning of the second semester of the Sophomore year. Any change in the major subject can be made only upon the recommendation of the heads of the department in which the old major was chosen and of the department in which the new major is requested.

The head of each department of instruction in the University shall be the official adviser of all students majoring in his department. The President shall appoint temporary advisers for all students until their major subjects have been selected.

SCHEDULE OF RECITATIONS

8:05

English, 7 and 8, T. Th.
Political Science, 1 and 2, M. W. F.
Political Science, 3 and 4, T. Th.
French, 3 and 4, M. W. F.
English, 5 and 6, M. W. F.
Chemistry, 5 and 6, M. W. F.
Education, 1 and 2, M. W. F.
Public Speaking, 3 and 4, M. W. F.
Education, 5 and 6, T. Th.
College Life (Sociology 5.) M.

9:00

Biology, 9, M. F.
Geology, M. W. F.

Mathematics, 3 and 4.
Latin, 1 and 2, M. W. F.
Latin, 3 and 4, T. Th.
Philosophy, 3 and 4, M. W. F.
History, 1 and 2, M. W. F.
Introductory Sociology, 1 and 2, T. Th.
History of Art, 1 and 2, M. W. F.
Education, 3 and 4, T. Th.
German, 1 and 2.

10:15

Greek, 3 and 4, M. T. Th. F.
Mathematics, 1 and 2, M. T. Th. F.
Philosophy 1, (1st Semester) M. T. Th. F.
Philosophy 10, (2nd Semester) M. T. Th. F.
English, 1 and 2, (Themes) W. F.
Public Speaking, 13 and 14, M. Th.
English, 3 and 4, T. Th.
Bible, 3 and 4, T. Th.

11:10

History, 3 and 4, M. W. F.
Biology, 1 and 2, M. W. F.
Biology, 3 and 4 or 5 and 6, T. Th.
Chemistry, 1 and 2, M. W. F.
Public Speaking, 1 and 2, T. Th.
Economics, 1, (1st Semester) M. T. Th. F.
Latin, 5 and 6, T. Th.
Latin, 7 and 8, M. W. F.
Economics, 2, (2nd Semester) T. Th.
German, 3 and 4, M. W. F.

1:15

Biology, 1 and 2, Lab. T. Th.
Chemistry, 1 and 2, Lab. T. Th.
Chemistry, 3 and 4, T.
Chemistry 5 and 6, M. W. F.
Latin la and 2a or Greek la and 2a.
History, 5 and 6, M. T. Th. F.
Public Speaking, 5 and 6, T. Th.
English, 9 and 10, M. W. F.
Bible, 1 and 2, T. Th.

2:10

Public Speaking, 7 and 8, T. Th.

English, 13 and 14, M. W. F.
French, 1 and 2, M. W. F.
Biology, 1 and 2, Lab. T. Th.
Chemistry, 1 and 2, Lab. T. Th.

3:05

Mathematics, 11 and 12, M. W. F.
Biology, 1 and 2, Lab. T. Th.
Chemistry, 1 and 2, Lab. T. Th.

General Regulations

REGISTRATION.

Students are expected to register on the days specified in the college calendar. The registration certificate must be presented to each instructor for signature and returned to the registrar within one week.

Candidates for admission to the college should forward an official statement of their preparatory work and a certificate of good moral character at a sufficiently early date to insure their being in the hands of the registrar not later than the first day of September, for the first Semester or the 15th of January for the second Semester.

In order to avoid delay in registration, blank forms to fill out in advance will be sent on request.

A fee of $1.00 will be charged those who register after the regularly designated days.

A fee of 50 cents will be required from those who fail to return registration card within the allotted week or for any change in registration after the second week.

ATTENDANCE AND ABSENCE FROM CLASSES.

Prompt and regular attendance at all exercises is considered essential to the best interest of the student. A student who, for any reason, is absent from 10 per cent of his class exercises (including laboratory periods) in any course is debarred from credit in that course until the work is made up to the satisfaction of the instructor in charge. If ten absences occur in all courses for which no satisfactory excuse can be given, the student's parents are notified If fifteen unexcused absences occur in one Semester, one hour is deducted from his credits for that Semester.

EXAMINATIONS AND THE HONOR SYSTEM.

The honor system adopted by vote of the Student Body consists of the rule that examinations, in particular, are conducted without especial supervision in the class room by the instructors; but the students are placed on their honor and required to sign at the end of their examination papers the following statement: "I have neither received nor given aid in writing this paper."

Administration of the honor system is in the hands of the Student Senate. Breaches of honor are punished by a vote of the Senate, subject to revision by the Faculty. In cases of first offense, the observer of the offense is expected not to report to the Student Senate, but to make a protest to the offender. Repeated offenses, however, must be reported to the Student Senate.

GRADING AND REPORTS.

Reports are sent each month to the Registrar of the College; students whose work is rated "poor" are notified at once and required to take steps to bring their work to proper standard.

In determining the average standing for a Semester the average daily standing will count two-thirds, and the final examination one-third.

Students' grades are reported by letter signifying the following percentages: A, 90-100; B, 80-89; C, 70-79; D, 60-69. C is the lowest passing grade, only 30 hours of which may count toward graduation; D is a "condition" and may be made up within the year; otherwise the entire work must be taken in class. E denotes failure and the work must be taken over in class in order to secure a grade in that subject.

"Incomplete" means that some essential part of the course has been omitted, but that otherwise the work in general has been of passing grade. It is expected that such work shall be made up within one month after the student returns. Otherwise it becomes a condition.

HONORS IN SCHOLARSHIP

Honors in scholarship may be obtained by special excellence in the work of the course and by special work and high grade in a particular department. The names of students who receive honors are announced in the annual catalog.

SCHOLARSHIP HONORS. There shall be published at the close of each Semester a list of "honors". Those who have received a grade of "A" in all subjects at the close of any Semester shall be designated as receiving "first honors." Those who receive "A" in at least two-thirds of their work, and not less than "B" in the remainder shall be designated as receiving "second honors."

Those who receive first honors for the two Semesters of the college year are designated as "First Honor Students" of their respective classes, and their names published in the College Bulletin indicating honors in the following order:

First Honor Students:

Senior Class.
Junior Class.
Sophomore Class.
Freshman Class.

Students who have received a grade of "A" in ninety Semester hours of work with no grade below "C" and those who have completed eighty hours of "A" work and twenty-five hours of "B" work with no grade below "C" shall be designated as receiving College Honors in Scholarship, and be presented with an appropriate badge or emblem.

GRADUATION HONORS. Seniors will be graduated with the honors: *summa cum laude; magna cum laude;* and *cum laude.* Students who during their freshman, sophomore, junior and senior years have achieved a general average of 95 per cent or over, will be granted the honor, *summa cum laude;* those whose general average is from 91 to 94 per cent inclusive, will be granted the honor, *magna cum laude,* and those whose general average is from 88 per cent to 90 per cent inclusive will be granted the honor, *cum laude.*

DEPARTMENTAL HONORS. Departmental honors will be granted under the following conditions:

1. All candidates must notify the head of the department in which they desire honors on or before May 30th of their Junior year.

2. No person may become a candidate for honors in two departments, except by a vote of the faculty.

3. All candidates for honors must be candidates for a degree and in full standing with their classes.

4. Candidates must not fall below a grade of "B" in more than 15 hours, and must obtain a grade of "A" in the department in which honors are sought.

5. Candidates must have majored in the department in which honors are sought, must perform, in addition to the major, assigned work equivalent to eight Semester hours and do such collateral work as the professor in charge of the

department shall assign. The results of this special collateral work must appear in a thesis of satisfactory length. The thesis will be read before the head of the department and two other professors whom the President shall appoint. It must be handed in not later than May 20th, and its grade must be reported to the Registrar not later than June 1st of the year in which honor is to be awarded.

DEGREES

BACHELOR OF ARTS. The Degree of Bachelor of Arts will be conferred upon those who complete 120 Semester hours as indicated under limits of work, page 50. The fee for diploma is $5.00 payable in advance.

MASTER OF ARTS. The Master's Degree in course may be conferred upon the following classes of students:

1. Graduates of this or any approved institution of learning of equal rank who have received the corresponding Bachelor's Degree, and who have taken one year's approved graduate study, at least one Semester of which must be in residence—pursued in at least two departments—and who have passed satisfactory examination in each subject and presented a satisfactory thesis.

2. Graduates of Pacific University who have completed two years of non-resident graduate study, other than professional in at least two branches, under the direction of the Faculty, and who have passed an examination in each subject and presented a satisfactory thesis.

The fee for diploma is $5.00, and in case of resident study the tuition shall be the same as that required of undergraduates.

The higher degrees given above are based on a four years' college course.

EXTRA-CURRICULAR ACTIVITIES.

It is the policy of the College to encourage freely participation in athletic sports, forensic contests and the other lines of activity of college life that lie outside the prescribed curriculum. While recognizing fully the value of such extra curricular activities, it is nevertheless believed that no student can afford to engage in them to such an extent that his studies suffer thereby. It is also desirable that all students

receive some training from the holding of office or other active participation in the management of student affairs.

The Faculty, therefore, reserve the right to determine the number and character of the activities in which each student may engage; and has adopted regulations to that end (taking account of the grades of the student and the work of the office.) This arrangement, it is believed, will secure a good distribution of collegiate responsibilities among all the students and a proper balance of interests in the case of each student. Copies of these regulations may be secured by application to the Registrar.

Description of Courses

BIBLICAL LITERATURE

A liberal education is not complete without a more intimate knowledge of the Bible than is possessed by the average person today. In fact the ignorance of that great Book is a reproach to our generation. Pacific University therefore requires at least four credits in Biblical literature for graduation.

Bible 1. The Beginnings of Christianity. Deals with the first Christian century, with an intimate study of the book of Acts, and the missionary journeys of Paul. *Two credits, first semester.*

Bible 2. The Problem of Sin and Affliction. Based on an analytical study of the book of Job. *Two credits, second semester.*

Bible 3. The Social Teachings of Jesus. A study of the social bearing and significance of the sayings of Jesus, and a study of modern governmental theories in the light of the teachings of Jesus. *Two credits, first semester.*

Bible 4. The Great Teachers of Judaism and Christianity. Takes up types of teachers and teaching methods of Israel's prophets, priests and wise men. *Two credits, second semester.*

BIOLOGY

PROFESSOR BEAN.

The laboratory for the department of biology is on the first floor of Science Hall. The equipment includes instruments and supplies for general use, dissecting microscopes, compound microscopes with stage and eyepiece micrometers, camera lucida and immersion objective, a Zeiss binocular, a rotary microtome of the latest and most approved type, a sliding microtome for celloidin sections, paraffin bath, thermo-regulator and a good supply of reagents and stains. A supply of skeletons of typical forms for comparative study has recently been added, also an outfit of instruments for the work in experimental physiology.

There is besides a large supply of preserved material for class work and specimens in jars for purposes of illustration. A well-selected reference library is available to all students and is freely used.

1, 2. ZOOLOGY. The morphology and relations of animals and the general principles of classification. Three recitations or lectures and two laboratory periods a week. Laboratory fee $4.00. *Five credits, each semester. M. W. F.* 11:10. *Lab. T. Th.* 1-4.

3. HISTOLOGY. The microscopic study of the normal tissues, with reference to the entire organ and their physiological significance in the body. Two lectures per week, required reading and laboratory work. Laboratory fee $4.00. *Five credits, first semester. T. Th.* 11:10, *M. W. F.* 1-4. (Not offered 1915-16.)

4. EMBRYOLOGY. The general principles of development with special reference to the batrachian, bird and mammal. Must be preceded by course 3. Laboratory fee $4.00. *Five credits, second semester. T. Th.* 11:10, *M. W. F.* 1-4. (Not offered 1915-16.)

5. COMPARATIVE ANATOMY. Anatomy of the vertebrates with more especial reference to mammals. Two lectures and three laboratory periods. Laboratory fee $4.00. *Five credits, first semester. T. Th.* 11:10, *M. W. F.* 1-4.

6. EXPERIMENTAL PHYSIOLOGY. Lectures with laboratory experiments and demonstrations. Chemistry and a knowledge of elementary physics are required. Laboratory fee $4.00. *Five credits, second semester. T. Th.* 11:10, *M. W. F.* 1-4.

8. Sanitation. A study of the conditions affecting the health in home, community and state. Lectures, assigned readings, reports. Prerequisite, Biology 1 and 2, or 9. *Three credits, second semester. M. W. F.* 9.

9. Physiology and Hygiene. A more general course in human physiology. Two recitations or lectures and one laboratory period of 2½ to 3 hours. Students who have not taken Biology 1 and 2 will be required to dissect a cat or other small mammal in advance of other laboratory work. Laboratory fee $2.00. *Three credits, first semester. M. F.* 9, *Lab. W.* 1-4

10. Ornithology. An elementary course in bird study and designed to give the student an understanding of the bird's place in nature as well as a knowledge of the birds of the locality. One lecture per week and two laboratory periods or field excursions. The student should provide opera or field glasses for this work. Laboratory fee $3.00. *Three credits, second semester.*

11. Botany. A study of the morphology and development of plants, types of the greater groups, beginning with the simplest forms studied in field and laboratory. Laboratory fee $3.00. *Three credits, first semester.*

13-14. History and Literature of Biology. A seminar course designed to acquaint the student with the development and growth of Biological Science. Open only to students doing major work in this department. *One hour's credit, each semester. At hours to be arranged.*

BUSINESS COURSES

Whatever the line of work to be followed as a life occupation, every man and woman should have at least the fundamentals of business training. Everyone should know enough of Bookkeeping to be able to keep account of his own business, though his business be only working on a salary. Everyone should know enough of the principles of Commercial Law to be able to deal intelligently with the business world. He should know enough of Commercial Arithmetic to be able to calculate correctly simple business problems. One of the greatest aids to the business or professional man of this age is the ability to put down in legible shorthand, memoranda of any matter before him for consideration. The demand is constantly being made for young men and women who are expert typists.

The advantages of attending such a college as Pacific University for commercial instruction are many. Commercial students have the same privileges of the Library, Gymnasium, Literary Societies, and other student organizations as those enrolled in collegiate work. And it is worth much for the upbuilding of character and moral fibre to associate with such people as are to be found at Pacific. In addition to this, commercial students may, for a small fee, pursue some subject in the collegiate courses in which they may be interested.

1. SHORTHAND. We offer the famous Gregg system of Shorthand, the most generally taught system in America. The first semester is devoted to the mastery of the theory of shorthand, the fixing of the underlying principles in the mind of the student. The second semester is given to advanced theory and dictation; to working up a shorthand vocabulary and attaining speed for actual work. The possibilities of advancing with this system of shorthand are such that a student has no opportunity to lose interest in this work.—*Five hours, each semester.*

2. TYPEWRITING. The touch method of typewriting is taught, beginning with the finger action that is easiest, and advancing to the most difficult of typewriting work, with continually in mind the absolute mastery of the keyboard of the machine as well as an understanding of its simpler mechanical construction. Students, at the end of the year, are expected to write from 50 to 60 words per minute on practice matter, and from 30 to 40 words per minute on transcript and new matter. By the method of instruction used in our department this can be accomplished, and even surpassed. *Ten hours through the year.*

3. BOOKKEEPING. In this subject, the student begins with the very simplest of bookkeeping methods, handling no business papers whatever, until the general principles are mastered. From then on, business papers, such as invoices, bills of lading, checks, drafts, receipts, freight bills, etc., are used as in actual business, familiarizing the student with the appearance and treatment of such papers.—*Ten hours through the year.*

4. COMMERCIAL ARITHMETIC. This subject is arranged to give the student a knowledge of the methods of computing

business transactions; the principles of interest and discount; some of the shorter methods now employed in such computations; exchange, etc.—*Two hours, each semester.*

5. Commercial Law. (*See Political Science* C.)

CHEMISTRY

PROFESSOR LEARNED.

The courses in this department are offered, first, for the purpose of general information and culture, and in the second place to form a stable foundation for students desiring to specialize in scientific work or in engineering. The keeping of proper records is insisted on in all courses, and special effort is made to impress upon the student the importance of neatness, accuracy and thoughtfulness in connection with his laboratory practice and to point out the value of intelligent observation and the ability to interpret correctly the meaning of observed phenomena.

The fees in each course cover all the necessary material and apparatus for the completion of the work, but if apparatus is broken it must be paid for.

1. General Chemistry. Experimental lectures, recitations and laboratory work. The course comprehends a study of the elements of theoretical chemistry and of the non-metals and their compounds. Acids, bases and salts are studied carefully and their formation illustrated. One of the main objects of the course is to give the student a broad appreciation of the importance of chemical processes in the structure of matter and the relations of these processes to life. Laboratory fee $5.00. *Five credits, first semester,* 11:10 *M. W. F.* Laboratory *T. and Th.*

2. General Chemistry. Continuation of course 1. Most of the time in the laboratory is devoted to qualitative analysis. This work includes the reactions of the principal bases and acids, their detection and separation. The student has constantly brought to his attention, by lectures and use of reference books, the sources and industrial value of the substances which he handles. Laboratory fee $5.00. *Five credits, second semester.* 11:10 *M. W. F.* Laboratory *T. and Th.*

3. Qualitative Analysis. Lectures, recitations and laboratory practice. Special attention is given to the analytical reactions of each acid and base, and to practice in the separation of metals from each other in unknown liquid and solid

mixtures. The student is urged to a thorough understanding of his work, and an effort is made to give that accuracy and exactness which makes such a course of great cultural as well as directly chemical value. Laboratory fee $5.00. *Five credits, first semester.* 1:15 *T.*

4. Quantitative Analysis. This is a laboratory course. The use and manipulation of the chemical balance, general laboratory practice and accuracy of measurement are emphasized. The fundamental processes of chemical analysis, both gravimetric and volumetric, are taken up. This course should be taken by students intending to enter the medical profession and by all specializing in science. Laboratory fee $5.00. *Five credits, second semester.* 1:15 *T.*

5. Carbon Compounds. This course consists of three lectures per week on the general principles and theories of organic chemistry, covering the aliphatic series, accompanied by laboratory practice which includes the familiar operations involved in organic work, and the preparation of twenty aliphatic compounds. Prerequisite, courses 1, 2, 3 and 4. Laboratory fee $5.00. *Five credits, first semester.* 8:05 *M. W. F.*

6. Carbon Compounds. Continuation of course 5. Three lectures per week on the compounds of the carbocyclic series, with laboratory work, including the preparation of ten aromatic compounds, and a systematic study of the characteristic reactions involved in organic analysis, with practice in the identification of unknown compounds and mixtures. Prerequisite, course 5. Laboratory fee $5.00. *Five credits, second semester.* 8:05 *M. W. F.*

7 and 8. Advanced Quantitative Analysis. Continuation of course 4. Lectures and laboratory work designed to meet the needs of industrial applications chosen by individual students. Technical analysis of iron and steel, fuels, cements, water, soils, etc. Of value to students looking forward to mining or chemical engineering or to commercial analysis, Laboratory fee $3.00-$5.00. *Three to five credits each semester. Hours to be arranged.*

9 and 10. Physiological Chemistry. Lectures, recitations and laboratory practice including a study of the fluids and tissues of the animal body, with a detailed consideration of the processes of digestion, secretion, excretion, putrefaction, metabolism, etc. Laboratory fee $5.00. *Three to five credits each semester. Hours to be arranged.*

11 and 12. Food Analysis. Microchemistry of Foods. Instruction given in the examination of foods by chemical and optical methods, with reference to adulteration, imitation and alteration; examination of foods for artificial coloring matters, preservatives and poisonous substances. This course comprises a study of milk, comestible fats and oils, cereal products and starch foods, canned goods, jellies, etc. Alcoholic beverages, fermented liquors, etc. Instruction in the use of the microscope in the examination of foods and condiments for the purpose of detecting adulterations and admixtures. Laboratory fee $5.00. *Three credits, each semester. Hours to be arranged.*

13 and 14. Household Chemistry. A strong course in chemistry, especially suited to young women and more particularly for those who wish a general knowledge of the subject to serve as a foundation for work in domestic science. Attention is directed especially to the chemistry of common things: atmosphere, water, fuels, foods, food adulterants, soaps, textiles, etc. Lectures, recitations, supplementary reading and laboratory work. Laboratory fee $5.00. *Three credits, each semester. Hours to be arranged.*

ECONOMICS

MR. YAKEL.

No department of College or University instruction has had a greater development during the past ten years than that of Economics. Since it is in simple terms the study of men earning a living, it has a vital interest for every student regardless of his vocational aim. It introduces him to the fundamental processes and principles of modern business organization and enables him to think intelligently upon the great financial and industrial questions now being discussed by state and national legislative bodies. Courses 1 and 2 are necessary before advanced work in economics can be taken up.

1. Principles of Economics. This course deals with the simpler phases of economic theory. *Four credits, first semester.* 11:10 *M. T. Th. F.*

2. Economic Problems. A study of concrete economic problems such as urban and rural land values, wages, trade unions, business and industrial combinations. *Two credits, second semester.* 11:10, *T. Th.*

3. Money and Banking. A study of the fundamental principles underlying banking, credit and other financial institutions. Course 1 is prerequisite for this course. *Two credits, second semester.* 9:00, *T. Th.*

4. Business Management. A survey of the organization and methods of modern business, including the business side of farming, manufacture and merchandising, stock and produce exchanges, salesmanship and advertising, with special attention to the principles of efficiency involved in factory management. Given alternate years with Money and Banking. *Two credits, second semester.* 9:00 *T. Th.*

EDUCATION

PROFESSOR PROCTOR.

The Legislature of Oregon in 1911 passed a law authorizing the State Superintendent of Public Instruction to issue certificates to graduates of standard Colleges, giving at least fifteen hours in Education, which would entitle such graduates to teach in the High Schools of Oregon. Also providing that all four-year High Schools must employ College graduates as teachers. The United States Bureau of Education inspected all Colleges in Oregon with a view to standardization, with the result that four colleges have found a place on the standard list. Pacific University is one of the four and its graduates, therefore, are entitled to High School Teaching certificates.

Additional Courses in Education are given by the Department of Philosophy. Psychology, six credits, and Educational Psychology, two credits are offered by Professor Bates.

1. History of Education. Early Greek, Roman, Mediaeval, and Modern periods of educational development are considered. Text, Monroe's *Briefer History of Education.* Three class recitations per week with one hour of research for a paper on a great educator. Required of students who are candidates for Life diplomas to teach in High Schools. *Four credits, first semester.* 8:05 *M. W. F.*

2. School Management. Teaching methods and problems of school organization and management are studied. Three recitations per week with one period a week spent in observation of primary, grammar and secondary schools. Teaching practice whenever possible is also arranged for students taking this course. Text, Bagley's *School Management.* Pre-

requisite Education 1. *Four credits, second semester.* 8:05 *M. W. F.*

3. History of the American High School. This course follows the historic development of American Secondary Education from the time of the Boston Latin School to the present day. Prerequisites Education 1 and 2. *Two credits, first semester.* 8:05 *T. Th.*

4. Principles of Secondary Education. A study of the Economic, Social and Biological bases of Secondary Education. Text, DeGarmo's *Principles of Secondary Education, The Studies.* First hand study of High School problems together with observation and practice teaching. Prerequisites Education 1, 2 and 3. *Two credits, second semester.* 8:05 *T. Th.*

5. Child Problems. Treatment of problems of child labor, retarded, delinquent and defective children. Methods of child saving, parks, playgrounds, juvenile courts, etc. Prerequisites Education 1 and 2. *Two credits, first semester* 9:00 *T. Th.*

6. School Law. Educational codes of Oregon and Washington. *Two credits, second semester.* 9:00 *T. Th.*

ENGLISH LANGUAGE AND LITERATURE

DR. FARNHAM.

A. Language. Rhetoric is a prerequisite of all work in English Composition. The aim of this department is to acquire the art of clear and forceful expression, to cultivate a style that is sincere and natural, and to gain an appreciation of the best writers. Practice in composition is an important element in several of the courses in Literature, and in addition to the work of this department opportunities for practical application are offered under the Department of Public Speaking.

1, 2. Daily Themes. These courses presuppose a knowledge of the principles of Rhetoric. Daily Themes on the basis of a paragraph; occasional long themes; lectures; criticism of themes in class, and individual conferences. Not open to freshmen except by consent of instructor.

1. Daily Themes to develop good style in writing by means of studies based on experience and observation.

2. Current events in the form of short editorials and reports. It is the aim of this course to meet the special needs of journalistic work. It is expected that the two courses shall be taken in sequence. *Two credits, each semester,* 10:15 *W. F.*

3. Development of the English Language. Lectures, discussions, special study of assigned topics. Open to all students who have taken courses 1 and 2. *Two credits, first semester,* 10:15 *T. Th.*

4. Development of Literary Criticism. This course is supplementary to course 3. It gives an opportunity to study the best English prose by analysis and extensive reading, with exercises in composition to cultivate literary form. *Two credits, second semester,* 10:15 *T. Th.*

B. Literature. The different courses in Literature aim not only to give the students a general acquaintance with works of the best writers in relation to the life and thought of their time, but also to develop an appreciation of good reading, and to cultivate a literary style. To acquire independence of thought and ease of expression frequent reports, both oral and written, are presented. In addition to the courses prescribed other electives will be offered as the requirements of the Literature group may demand.

5. The Development of English Literature. This course is not a High School course, and it is a prerequisite of all other courses in English Literature. Although emphasis is laid upon the great creative periods of English Literature, direct study of representative authors is made through their writings. Required of freshmen in all groups, unless an equivalent course has already been taken. In such a case another course may be selected. *Three credits, first semester.* 9:00 *M. W. F.*

6. The Periods of American Literature. After a preliminary study of literature in the formative periods a careful and systematic study is made of the nineteenth century, closing with a survey of present tendencies in American letters. Extensive collateral readings. Required of freshmen in all groups, unless an equivalent course has been taken. In such a case some other course may be selected. *Three credits, second semester.* 9:00 *M. W. F.*

7, 8. Great Makers of English Poetry. These courses give an acquaintance with the life and work of several great English poets, their relation to literary history and to the development of the English language. Although the study is more complete when these courses are taken in chronological

order, at the discretion of the instructor students may take either course separately.

7. Chaucer, preceded by a short study of *Beowulf* and *Piers the Plowman. Two credits, first semester. T. Th.*

8. Spencer and Milton. *Two credits, second semester. T. Th.*

9, 10. SHAKESPEARE. This course consists of a critical study of representative plays of Shakespeare. It may precede or supplement the work in dramatic expression in the Department of Public Speaking. *Three credits, each semester.* 2:10 *M. W. F.*

11, 12. NINETEENTH CENTURY POETRY. These courses give a conception of the intellectual and imaginative development of each poet through the study of his work in relation to his environment and time. Lectures and collateral readings with frequent reports, and a critical study by each student of some assigned subject in connection with the course. These courses may be taken separately.

11. Poetry of the first half century.

12. Poetry of the second half century. *Three credits, each semester.* (Omitted in 1915-1916.)

13, 14. NINETEENTH CENTURY PROSE. These courses give a comprehensive study of leading prose writers in connection with the political, religious and social changes of the nineteenth century with their influence upon the literary style of English prose. These courses may be taken separately.

13. Beginning with the Reviewers to the close of the first half century.

14. Prose of the second half century. *Two credits, each semester.*

15, 16. COMPARATIVE LITERATURE. These courses comprise a comparative study of great epic poems and dramas through English translations.

15. Ancient Classical Epics. *Three credits, first semester.* 2:10, *M. W. F.*

16. Renaissance and Modern Poetry of Europe, beginning with *The Divina Commedia of Dante. Three credits, second semester.* 2:10, *M. W. F.*

17. ENGLISH ALLEGORY AND ROMANCE. This course prepares the student for the study of English Fiction. Lectures and readings. *Three credits, first semester.* 2:10 *M. W. F.*

18. The English Novel. This course is designed through the study of English and American story writers to enable the student to discriminate the best works of fiction *Three credits, second semester.* 2:10 *M. W. F.*

19, 20. Social Ideals in English Literature. The aim of these courses is to present the social ideals which, from time to time, have found expression in English Literature. They are especially recommended to students who elect History and Political Science as major courses.

19. A comprehensive study of social ideals from the time of Langland will be made in the first semester.

20. A detailed study of ideal commonwealths will be made in the second semester. *Two credits, each semester,* 10:15, *T. Th.* (Omitted in 1915-1916.)

FRENCH

MISS PENFIELD AND MRS. BEAN.

The aim of this course is to give the student not only a reading knowledge of French but some practical use in speaking and writing, and an introduction to French Literature. So far and fast as possible, French will become the language of the class-room. A major in Modern Languages must consist of not less than 22 hours of one language.

1, 2. Beginning French. Grammar, *Fraser and Squair.* Drills in pronunciation, oral and written exercises, dictation, memorizing of proverbs and fables, special attention to irregular verbs. Reading of 150 pages easy French. *Five credits, each semester.* 2:10.

3, 4. Second Year. Grammar Work and Memorizing Continued. Reading of about 300 pages of modern prose; stories and plays to be selected. *Three credits, each semester.* 8:05, *M. W. F.*

5, 6. Third Year. Reading and study of masterpieces of French classic literature, ancient and modern, including both prose and poetry. The texts read will be varied from year to year to give opportunity for additional work in the subject. From 400 to 600 pages must be read. The requirement of French prose work will be at the discretion of the teacher. All class work oral and written, is in French. *Three credits, each semester. M. W. F. Hours to be arranged.*

GEOLOGY

PROFESSOR BEAN.

2. The work of this course comprises the study of Norton's *Elements of Geology*, examination of minerals and fossil types in laboratory, and field trips. At least three Saturday class excursions required, as well as shorter trips to near-by points. A fee of $2.00 is charged for this course. *Three credits second semester.*

GERMAN

MISS PENFIELD.

The aim of this course is to give the student some practical use of the language while introducing him to German Literature through carefully selected reading material. So far and fast as possible, German will become the class-room language. A major in Modern Languages must consist of not less than 22 hours in one language.

1, 2. BEGINNING GERMAN. Grammar, *Mosher's Lern und Lesebuch.* Drill in pronunciation, oral and written exercises, dictation, memorizing of songs and poems. Reading of at least 100 to 150 pages of easy German. *Five credits, each semester.* 9:00.

3, 4. SECOND YEAR. Grammar continued and reviewed in connection with composition based on texts read; these to include about 300 pages of Modern German. *Three credits, each semester..* 11:10, *M. W. F.*

5, 6. THIRD YEAR. Reading and study of 400 to 500 pages of moderately difficult German in both prose and verse. The texts read will be varied from year to year to give opportunity for additional work in the subject. German prose work will depend upon the needs of the class. All class work, oral and written, is in German. *Three credits, each semester. M. W. F. Hours to be arranged.*

SCIENTIFIC GERMAN. Should a sufficient number desire such work, a 2-hour class can be formed.

GREEK

PROFESSOR TAYLOR.

The courses in Greek are planned to give first hand acquaintance with the best known and most prominent writings of that language and a real acquaintance with the life and work of a people by whom our intellectual as well as our

artistic ideals have been and are being most largely inspired.

A large number of our ordinary words are Greek. The New Testament manuscripts are in Greek. The terminology of Botany, Physiology and Medicine are largely from that language. The right teaching of Latin depends much on a knowledge of Greek. These are some of the many reasons immediately practical for taking up work in this department.

1. Greek Historians. Selections from Herodotus and Thucydides. Drill on Attic forms and constructions and introduction to Ionic forms. *Two credits, first semester.* 8:05, *T. Th.*

1a. Elementary Greek. The main principles of the language, planned to give in one semester a basis for reading of Greek. With Course 2a it gives college students an opportunity to prepare in one year for reading Greek 1. Designed for students having already had four years of foreign language study. *Five credits, first semester.* 1:15 *every day.*

2. Greek Philosophers. Selections from Plato. *Two credits, second semester.* 8:05, *T. Th.*

2a. Elementary Greek. Continuation of 1a. Xenophon's *Cyropedia* with composition exercises. (See Course 1a.) *Five credits, second semester.* 1:15, *every day.*

3. Homer. Two books of Iliad and one of Odyssey. Scansion, Homericisms, and the study of the author and his times. *Four credits, first semester.* 10:15, *M. T. Th. F.*

4. Greek Orators. Select orations of Lysias and Demosthenes. Attention to study of Athenian legal procedure. *Four credits, second semester.* 10:15, *M. T. Th. F.*

5. Greek Life and Civilization. A study largely or wholly in English, designed to give direct acquaintance with Greek life and thought—so potent a factor in modern living. *Three credits, first semester.*

6. Greek Tragedy. Sophocles' *Antigone* and Aeschylus' *Prometheus Bound.* Attention to the history and importance of Greek Drama. *Three credits, first semester.* (Not offered in 1915-16.)

6a. Greek Lyric Poets. Pindar. Selected odes, or equivalent work. *Two credits, second semester.* Time to be arranged.

Note.—Greek 2a may be counted on a major or minor, in Greek.

HISTORY

PROFESSOR PROCTOR AND MR. YAKEL.

As a basis for the better understanding of current history a thorough knowledge of the history of past ages is essential. The study of history has both a practical and a cultural value. Its practical value lies in the fact that it reflects the past experiences of men and serves as a guide to statesmen and economists in working out their plans for the present. Its cultural value lies in the fact that acquaintance with the life stories of other nations and peoples tends to make men broader minded. At least six hours of history are required toward graduation. Courses 1 and 2 should be taken, if possible, in the Freshman year.

1. History of Civilization in the Middle Ages. A general survey of European History from the Teutonic Invasions to the Reformation. *Three credits, first semester.* 9:00, *M. W. F.*

2. Modern European History. A study of the development of modern European nations from about 1500 A. D. to the present time. *Three credits, second semester.* 9:00, *M. W. F.*

3. English History to 1603. The development of England from the Anglo-Saxon invasion to the end of Elizabeth's reign. Open to all who have completed History 1 and 2. *Three credits, first semester.* 11:10, *M. W. F.*

4. English History After 1603. Can be taken either as a continuation of 3, or as a separate course. Prerequisites same as for 3. *Three credits, second semester.* 11:10, *M. W. F.*

5. American History. A course covering The Colonial, the Constitutional, and the Division and Reconstruction periods of American History. Prerequisites, History 1 and 2. *Two credits, first semester.* 1:15, *M. T. Th. F.*

6. History of Western Settlement and Development. (a) The Mississippi Valley. (b) The Pacific Coast, with special reference to the early history and settlement of Oregon. Prerequisites, History 5. *Three credits, second semester.* 1:15, *M. W. F.*

HISTORY OF ART.

DR. FARNHAM.

To help the student to form for himself a more intelligent appreciation of the different forms through which the artistic

sense has found expression, courses are offered in the History of Art. Whenever it is possible to arrange for skilled instruction, studio courses are also offered. Only by personal effort are the underlying principles of art really comprehended. As a cultural subject, whether theoretical or practical, even a short course in art study will awaken a more discriminating appreciation of the masterpieces in galleries and museums. Such study also enables one to choose with a finer sense of aesthetic values pictures for the home.

HISTORY OF ART. This course in the History of Art aims to familiarize the student with the best works of art as a preparation either for a visit to Europe, or to give a better enjoyment of copies and prints. Lectures, readings, study of photographs and prints furnish ample opportunity to acquire a good general knowledge. The Library of the University supplements the work of the class room by a good selection of books illustrative of the general study.

1. ARCHITECTURE AND SCULPTURE.
2. RENAISSANCE AND MODERN PAINTERS.

Two credits, each semester. 9:00, *M. W. F.*

HOME ECONOMICS

MISS JENNINGS, MRS. BUSHNELL, MRS. HAROUN.

With the rapid expansion today of the practical interests and responsibilities of women it is becoming increasingly important and necessary for the institutions of higher education to supply courses for women to meet these demands. The following courses in the department of Home Economics are aimed to give to the young women of the College a thorough training in the fundamentals of home-making and a practical insight into the larger questions of social conduct, civic duties and economic changes that are today rapidly affecting the vocations, characters and habits of American women. Emphasis is laid not merely upon the technical work of cooking, sewing, etc., but also upon the artistic, moral and spiritual factors, such as home decoration, home entertainment and the training of children.

1A. ELEMENTARY SEWING. An elementary course for those who have not had sewing in high school. Instruction will be given in the use of the sewing machine and all its attachments.

The fundamental principles of hand and machine sewing applied to household linens and undergarments. Darning, patching, and care of clothing will be considered. No college credit is allowed for this course but if it has not been previously covered, it must be taken before or in connection with sewing I, to the amount of two hours per week for one semester.

1, 2. SEWING I. Drafting of patterns, making of underclothes, kimonas, shirtwaists, and simple lingerie dress. Embroidery stitches will be taught where such are applicable.

The lecture work will be the study of cotton, linen, silk and wool. Laboratory fee $1.00. Prerequisite, Course I. *Three credits, each semester; one lecture, three hours laboratory work per week.*

3, 4. SEWING II. History of costume, application of the principles of design, color combinations, proportions and trimmings; study of materials from economic and aesthetic standpoint. Principles applied in making an unwashable dress, fancy waist, tailored skirt and waist. Laboratory fee $1.00. *Two credits, each semester; one lecture, three hours laboratory work per week.*

5. TEXTILES. This course aims to furnish an elementary knowledge of fabrics. It is intended as a guide for shopping—in forming an intelligent estimate of quality and worth in materials. Study is made of the manufacture of fabrics, and of the conditions which affect the hygienic, economic and aesthetic value of materials. Microscopic and chemical tests will be made for cotton, linen, silk and wool. Laundry problems will be studied as they affect color and shrinkage. The hand work will be simple weaving and basketry. *Two credits, first semester.*

6. EVOLUTION OF THE HOUSE. This course deals with site, planning and construction, heating, lighting and the general principles which govern decorating and furnishing of an artistic and home-like house. It is intended for home-makers, as an aid in the selection of paints, furniture and wall coverings and arrangements of the home with due regard to color harmonies, space relations, etc. Period and modern furniture will be studied. *Four credits, second semester.*

7. ELEMENTARY COOKING. Elementary course for those who have had no training in high school. Introduction to the study of foods. Laboratory work in the preparation of the

common foods, and study of suitable food combinations. No college credit is allowed for this course but if it has not been previously covered, it must be taken before or in connection with Food Preparation to the amount of two hours per week for one semester. Laboratory fee $2.00.

9, 10. Food Preparation. This course takes up a study of the methods of cooking and the principles underlying the cooking of carbohydrates, fats, and proteids; study of combination and comparative value of food materials; application of heat, nutritive value, digestibility, cost and function in the body; the preservation of food and underlying principles.

The preparation and serving of simple meals. Laboratory fee $3.00 each semester. Prerequisite Chemistry I. *Two credits, each semester; two lectures, two hours laboratory work per week.*

11, 12. Food and Dietetics. A critical study of food materials from a chemical, physiological and economic standpoint; planning of menus for adults and children; a study of dietary standards. The laboratory work will be the preparing and serving of a series of meals at a specific cost furnishing specific nutrients. Laboratory fee $3.00 each semester. Prerequisites, Courses 9, 10, Biology 9. *Two credits, each semester; two lectures, two hours laboratory work per week.*

14. Household Administration. This course will consider the order and administration of the house with a view to the proper appointment of the time, help, system, income, accounting and maintenance of suitable standards. Changes of home management will be studied in the light of modern, economic and social conditions. Sanitation and social usages will also be studied. The domestic service problem will be investigated. *Two credits, second semester.*

16. Home Nursing. The home nurse, her characteristics and duties, daily care of patient; bathing, dressing, and administering food and medicine; care of sick room, furniture, temperature and ventilation; contagion and infection, isolation, disinfection, and emergency treatment in the home. *Two credits, second semester.*

LATIN

PROFESSOR TAYLOR.

A fundamental value of Latin is its help to understand

the host of Latin derivatives in common English. Latin gives a grounding in the common principles of language and is the readiest key to the Romance languages. It is a fact that Latin was the sole language of Western scholarship for over a thousand years of our era and that in ecclesiastical, medical and legal lines, Latin was long supreme and is still much used. Facts like this make a continued study of this language especially important for a broad or technical education.

The following courses are planned to offer a taste of the best of Latin Literature to give reasonable readiness in reading, familiarity with the roots and principles of the language and a general acquaintance, at first-hand, with an important people.

1. Livy. Book XXI and selections to equal one-fourth of Book XXII. Review of grammar and constructions. Drill in sight reading. *Three credits, first semester.* 9:00, *M. W. F.*

1a. Preparatory Latin. A semester course in Cicero for college students with four years of Foreign Language training. Four orations of Cicero, with grammar drill, etc., are expected. *Five credits, first semester.* 1:15, *Every day.*

2. Horace. Selected odes and epodes. Particular attention to prosody and literary merits. *Three credits, second semester.* 9:00, *M. W. F.*

2a. Preparatory Latin. A semester course in Vergil for college students having four years of Foreign Language training. Four books of the *Aeneid* or an equivalent with prosody constructions, etc., are expected. *Five credits, second semester.* 1:15, *Every day.*

3. Tacitus. *Germania* or *Agricola* read carefully. Drill in sight reading. *Two credits, first semester.* 9:00, *T. Th.*

4. Pliny's Letters. Selected letters studied and others read at sight. Collateral readings on Roman social life. *Two credits, second semester.* 9:00, *T. Th.*

5. Roman Comedy. Terence's *Phormio* or an equivalent from this author or Plautus. General study of the Roman Drama. *Two credits, second semester.* 11:10, *T. Th.*

6. Quintilian. Book X, or equivalent selections. General discussions of educational methods of the first century A. D. *Two credits, second semester.* 11:10, *T. Th.*

7. Cicero. *De Senectute* and selections from *De Amicitia,*

Discussions on the thought of the time of Cicero. *Three credits, first semester.* 11:10, *M. W. F.*

8. Topography and Monuments of Ancient Rome. Work based on a text book in English with outside references and readings in Latin and English. *Three credits, second semester.* 11:10, *M. W. F.*

Note 1.—Seminar work of one hour per week will be arranged for Latin students desiring special drill on Latin legal phrases and medical terms.

Note 2. Latin 2a may be counted on a major or minor in Latin.

MATHEMATICS

PROFESSOR WEST.

The traditional method of teaching Mathematics has been to present it under several distinct heads. This method has accomplished good results in some ways, and has produced many excellent mathematicians. But it has some serious disadvantages. It fails to give the student an adequate idea of the interdependence of the various parts, often makes impossible the best adaptation of the theory to the practical problem at hand, and also makes impossible a general knowledge of the content and general utility of higher mathematics without a two or three years' course.

The course in mathematics has been so arranged that those taking Math. 1-2 will have a birdseye view of the scope and utility of the subject as a whole. In the succeeding courses, listed under special heads, the work has been arranged so that a harmonious development will follow.

A course in College Algebra will be offered, elective in place of Math. 2, for the benefit of those who desire it as a preparation for engineering.

1, 2. Introductory Course in Mathematics. A brief but comprehensive study of the essential parts of algebra and trigonometry, discussion of the simpler concepts of analytic geometry and the calculus, together with the solution of many problems of a practical and interesting nature. An attempt will be made to make this as nearly a general culture course in mathematics as is consistent with an adequate preparation for the following courses. No credit given for less than a year's work with the exception of those taking Math. 2a. *Four credits, each semester.* 10:15, *M. T. Th. F.*

2a. College Algebra. Brief review of factoring and its applications, binomial theorem, quadratics, surds and imaginaries, progressions, mathematical induction, determinants, logarithms, and theory of equations.

3, 4. Analytic Geometry and Calculus. A study of loci and their equations; discussion of the equations of a straight line, circle, parabola, ellipse and hyperbola; a brief treatment of higher plane curves; determinants, permutations and combinations, complex numbers, numerical equations; a presentation of all forms for differentiation and integration with applications. Prerequisites: Mathematics 1-2. *Five credits, each semester.* 9:00, *M. T. W. Th. F.*

5. Advanced Calculus. A completion of Mathematics 3-4, comprising also solid analytic geometry and a brief treatment of differential equations. Prerequisites: Mathematics 3-4. *Five credits, first semester. Hour not scheduled.*

6. Mechanics. Statics, including rectilinear and curvilinear motion, accelerations in a rigid body, relative motion, mass, density and center of mass; force, energy, concurrent and parallel forces; kinematics and kinetics, including free and constrained motion of a particle and moment of inertia. Prerequisites: Mathematics 3-4. *Five credits, second semester. Hour not scheduled.*

7, 8. Mechanical Drawing. The course includes instruments and their use, elementary constructions, working drawings, orthographic projection, with practical work. *Three credits, each semester. Hour not scheduled.*

9. Descriptive Geometry. Representation of the point, line, plane, curved lines, and surfaces with problems relating to them; perspective and isometric projection. Prerequisites: Mathematics 1-2, 3-4, 7-8. *Five credits, first semester. Hour not scheduled.*

10. Astronomy. A descriptive and historical course in astronomy the aim of which is to give the student some of the methods and results of astronomical research. The course includes, besides regular text work, outside reading and recognizing of some of the prominent constellations. Prerequisites: Mathematics 1-2 and Physics. *Five credits, second semester. Hour not scheduled.*

11, 12. Surveying. The course consists largely of field work together with the use and care of instruments, includ-

THE COLLEGE GLEE CLUB

ing practice in chaining, leveling, use of the transit, with computation of areas and earthwork calculations. Prerequisites: Mathematics 1-2. *Three credits, each semester. Class work* 3:05 *M., field periods* 3:05-5:00 *W. F.*

MUSIC

PROFESSOR CHAPMAN.

Credit toward the A. B. degree will be allowed to college students who take the courses in Theory and History of Music in regular classes with the Director of the Conservatory of Music.

HISTORY OF MUSIC.

The "History of Music" has been given in class by the Director the past year, the Pratt History being used as a basis or outline of the study, with much additional, as well as more definite treatment of different subjects and phases of music development. The subject is presented in class in talks rather than set lectures, with more or less discussion of the same by students and teacher.

The course concludes with a comphrehensive written examination and is free to all advanced and professional students who have desired to enter it. The course is comprehensive and treats of all musical development from the earliest ages to the latest and the ultra modern schools in Europe and America. *Two credits.*

THEORY OF MUSIC.

The work may be outlined as follows:

NOTATION. The Theory of Rhythm and Tonality. Principles of simple chord construction.

HARMONY. Richter's *Principles of Four-Part Composition;* modulations and harmonic accompaniments to selected and original melodies.

COUNTERPOINT. Exercises in adding one, two, three or four voices in simple counterpoint to an original cantus firmus.

Strict and Free Counterpoint, two or four parts—Imitation, Canon, Fugue, Composition.

In connection with this course attention will be given to study of musical form and analysis, also the laws of interpretation. *Two credits.*

A maximum of six semester credits will be allowed to the

more advanced students for Practical Music Work, upon recommendation of the Director of the Conservatory and the approval of the general Faculty.

PHILOSOPHY

PROFESSOR BATES.

The aim of this department is to lead the student to a knowledge of himself and his relation to the world of thought and feeling and action of which he is a part; to give him an understanding of some of the fundamental concepts that underlie other branches of knowledge, as well as the practical questions of life and conduct; to help him to think for himself in processes of reasoning, in forming moral judgments and in solving the problems of philosophy. Some thorough study of these subjects is indispensable to the truest and broadest views of life as well as to preparation for more extended professional training.

1. Logic. An introduction to the study of the elements of logic, with some reference to the problems of philosophy. The principles of deductive inference and the canons to inductive method are discussed. A course of interest to students of forensics and rhetoric and to those who expect to make further election in philosophy. Text book and frequent exercises. Creighton's *Logic. Four credits, first semester.* For sophomores. 10:15, *M. T. Th. F.*

3, 4. Psychology. A general introductory course, fundamental to further work in the department or in education. Required of all candidates for a baccalaureate degree. Biology 1 and 2 or 18 are recommended as valuable preliminary studies. Angell's *Psychology* is used as a text-book, with readings from James and other standard authors, together with class demonstrations and laboratory work. *Three credits each semester.* Open to Juniors and Seniors. 9:00, *M. W. F.*

6. Pedagogical Psychology. A text-book course in the theory and art of teaching based on psychological and ethical principles. Prerequisites, Psychology 3. *Two credits, second semester.*

5. Introduction to Philosophy. An elementary course designed to introduce the student to the methods and problems of philosophy, with its fundamental conceptions of reality, knowledge, origins, mind, matter, God, freedom, soul, im-

mortality. Lectures and assigned readings. Open to Sophomores, Juniors and Seniors. *Two credits, first semester.*

7. History of Philosophy. The development of philosophy beginning with the Greeks down to the beginnings of modern philosophy. Special attention is given to Plato, Aristotle, Descartes, Locke and Hume. Prerequisite, Philosophy 3 and 4. Roger's *History of Philosophy* and Source Books. *Three credits, first semester.*

8. History of Modern Philosophy. A continuation of course 7, with special attention given to Kant, Spencer and present day thought. Roger's text and readings from Kant and other writers. May be taken with Philosophy 5 only as a prerequisite. *Three credits, second semester.*

10. Ethics. A study of the facts and problems of the moral life, with a comparison of the principal ethical theories; discussion of practical problems in modern, social and political life and application of principles to conduct. Text-book, Dewey and Tufts. Required of all candidates for a baccalaureate degree. Prerequisite, Philosophy 1 or 3. *Four credits, second semester,* 10:15, *M. T. Th. F.*

12. Philosophy of Religion. A study of religions and religious systems; a comparison of Christianity and other religions; the origin of religion; the proof of the existence of God; the basis of faith; theism and Christianity.

Text-books and readings. For Seniors only. *Three credits, second semester.*

For a major in Philosophy, Biology 18 may be included with any of the courses in this department.

PHYSICAL EDUCATION

MR. YAKEL, MISS THOMAS.

Systematic work in the gymnasium is required of all students in the freshman and sophomore years. The aim of this department is to develop organic vigor, correct posture, graceful action and the co-ordination of mind and muscle. It also tends to produce an interest in recreative and competitive games and the all-round development of the body. The work in the gymnasium consists of marching and calisthenic drills; folk dancing, and aesthetic dancing, and exercises with the light and heavy apparatus. The schedule is two hours per week for each student. Selection is made

from the following exercises as may be best adapted to the specific needs of the men and women. Two courses through the year are arranged for the men and two for the women.

1, 2. PHYSICAL CULTURE. Foot-ball, track, tennis, base-ball, cross-country running, basket-ball, volley-ball, indoor base-ball, indoor track, swimming, gymnastics, including marching, free-hand work, dumb-bells, Indian clubs, wands, elementary work on parallel bars, horse, horizontal bar and tumbling. *Hours to be arranged.*

3, 4. PHYSICAL CULTURE. Continuation of 2. Basket-ball, volley ball, track, advanced work in gymnastics, fancy apparatus work, fancy marching and gymnastic dancing, swimming and pyramid building. *Hours to be arranged.*

PHYSICS

PROFESSOR LEARNED

The work in these courses is designed for students desiring to take work in general physics either for its cultural value or to meet the physics requirement in courses of medicine, biology, chemistry or astronomy. The line of study includes a systematic development of principles together with a consideration of the practical application of the principles to the affairs of ordinary life. Special attention is given to the subjects of mechanics, heat and electricity.

1. GENERAL PHYSICS. The class work, three hours a week, includes the study of mechanics, heat and sound with five hours of parallel work in the laboratory. The work performed is, from the first, strictly quantitative, it is laid out primarily to teach the student to make accurate measurements, and to impart training in the manipulation of instruments employed in physical investigation. Prerequisites: Mathematics 1 and 2. Laboratory fee, $5.00. *Five credits, first semester, M. W. F.* 10:15. Laboratory *T. and Th.* 1:15.

2. GENERAL PHYSICS. Continuation of course 1. Reflection, refraction and polarization of light waves, spectrum analysis, magnetism and electricity with the corresponding laboratory work is taken up the second semester. Laboratory fee, $5.00. *Five credits, M. W. F.* 10:15. Laboratory *T. and Th.* 1:15.

POLITICAL SCIENCE

MR. YAKEL.

Every College graduate owes a debt to his state and nation greater than that owed by the ordinary citizen. His superior opportunity has imposed a greater responsibility. The success of such a system of pure democracy as Oregon is now experimenting with depends upon an electorate considerably above the average in morality and intelligence. The study of political science is designed to give a comprehensive view of the political field; to introduce the student to the governmental problems awaiting solution and to acquaint him with the practical workings of political institutions. Perfect freedom of discussion is allowed but partisan bias is scrupulously avoided. Course one is prerequisite to all further study in political science.

1. ELEMENTS OF POLITICAL SCIENCE. An introductory course which traces the development of the state from the most primitive forms of political association to modern industrial democracies. *Three credits, first semester.* 8:05, *M. W. F.*

2. AMERICAN CITY GOVERNMENT. A study of city government in America in which consideration is given to American city problems such as housing, recreation, foreign population, civic health, and financial, industrial and political administration. Prerequisite Political Science 1. *Three credits, second semester.* 8:05, *M. W. F.*

3. CONSTITUTIONAL GOVERNMENT. This course takes up not only a detailed study of the Constitution of the United States, but also a comparative study of the constitutions of Great Britain, France, Germany and Switzerland. Prerequisites Political Science 1 and 2. *Two credits, first semester.* 8:05, *T. Th.*

4. INTERNATIONAL LAW. A consideration of the International code, with particular reference to the development of international comity and arbitration. Prerequisites, Political Science 1, 2 and 3. *Two credits, second semester.* 8:05, *T. and Th.*

6. COMMERCIAL LAW. A study of the laws that particularly affect business and commercial relations. Text, Lyon's *Commercial Law. Two credits, second semester.* 9:00, *T. Th.*

PUBLIC SPEAKING

PROFESSOR HARRINGTON.

The work in this department covers all phases of Public Speaking. Its purpose is to develop the expressive powers of the student; to broaden and strengthen his personality; to quicken his imaginative and dramatic perception, and awaken him to a realization of his potentialities. Yet, apart from the general culture afforded, the technique of all its courses is designed to meet the needs of the student in a thoroughly practical way, and is adapted to those who desire special training for professional purposes.

1, 2. Evolution of Expression. The methods of instruction used in the evolution of expression are based upon the fundamental laws according to which the mind unfolds. The evolutionary processes of nature are followed in the development of the creative forces of the student. With the class as an audience he is required at every step to produce positive results, and to depend for those results upon his mental activity at the moment of speech. This feature is fundamental—because it develops his mental powers—progressive as it requires him to add something to that power at every step, and practical—inasmuch as his progress is constantly tested by his power to move an audience. Text of Charles Wesley Emerson. *Two credits, each semester.* 10:15, *T. Th.*

3. Practical Public Speaking. Offers the maximum of practical training with the minimum of theory through the analysis and interpretation of orations and essays, and actual practice in their declamation. Text of Clark and Blanchard. *Three credits, first semester.* 8:05, *M. W. F.*

4. Oratorical Composition and Delivery. A continuation of course 2. Includes the formal study of oratorical composition as distinguished from the essay, and thorough instruction in the delivery of satisfactory orations. Text of Edwin Dubois Shuster. *Three credits, second semester.* 8:05, *M. W. F.*

5, 6. Extemporaneous Speaking. This course offers practical training through the extemporaneous discussion of current events and topics from history, biography and literature—extempore arrangement of thought and phraseology—the use of story and anecdote—postprandial speaking, and the delivery of original orations. Text of James M. Buckley. May be

elected advantageously in connection with courses 3 and 4. *Two credits, each semester.* 1:15, *T. Th.*

7, 8. ARGUMENTATION AND DEBATE. The aim of this course is two-fold—first, to produce sound thinkers; second, to train these thinkers in the clear, correct, straightforward and effective oral presentation of their own thought. Texts of Fred Lewis Pattee and William Trufant Foster.

Direct application of the principles of debate will be employed from the first. This includes exhaustive analysis of debatable propositions; formal briefing of subject matter; and class room debates.

One session of two hours weekly. *Three credits, each semester.* 2:10, *T. Th.*

9. GESTURE. Lectures upon the physiology of gesture; the evolution of gesture and its philosophy; relations of aesthetic physical culture to gesture; the influence of intuition; the distinction between the gesture of spontaneity and that of calculation; drill for the culture of the responsiveness of the nerve centers to mental concept. Study of gesture and mannerisms as indices of character. *Three credits, first semester.*

10. VOCAL TECHNIQUE. Lectures upon the physiology and hygiene of the voice. The relation of the vital and vocal organs; fundamental conditions of voice production; relation of voice and nervous system; breath contact; tone projection; placing of tones; compass; development of resonance; flexibility, freedom, smoothness, purity, power and brilliancy of tone; eradication of faults in the use of the voice. *Three credits. each semester.*

11, 12. EXPRESSIVE PHYSICAL CULTURE. The "Emerson" system of physical culture is offered. It presents exercises for poise, presence and bearing; for grace and ease of manner; for the vital organs and for strengthening the nerve centers while freeing the surfaces of the body; for respiration and harmonic movements. The faithful use of these exercises promotes health, creates strength, develops bodily poise, and grace, and beauty. *Two credits, each semester.*

13, 14. READINGS—MONOLOGUE AND IMPERSONATION. The Reader's Technique; Character Delineations; Arrangement of Programmes; Dramatization of Novels; Choice, Abridgement, and Adaptation of Selections for Public Reading, Criticism and guidance of individual work. Preparation of programmes for

public presentation. Monthly public recitals by qualified students. A thorough technical knowledge of the artistic principles and platform laws involved in the work of a public reader is essential to the greatest success. This course offers the reader the technique of prose and verse forms in farce, comedy and tragedy; the approved methods used in descriptive work; in objective gesture, suggestive impersonation and character delineation in its primary form. *Two credits, each semester.* 10:15, *M. Th.*

15, 16. Dramatic Art. Platform deportment. Stage business. Pantomime. Preparation and presentation of short plays. Platform deportment deals with the laws governing motion in the human body; correct sitting, standing and walking; entrance and exit; platform methods and traditions. Stage business includes costuming, grouping and tableaux; make-up; lighting and color scheme; stage management, rehearsals and performances. Pantomime presents elementary principles; correction of defects and mannerisms in bodily expression; study of emotion in its effect upon voice and gesture; facial expression. Preparation, etc., of plays includes study of farce, comedy, burlesque, melodrama, tragedy, plot, character incident, denouement; the technique of the drama; dramatic criticism; stage deportment; presentation of scenes and one-act plays. *Three credits, first and second semester.* 9:00, *M. W. F.*

17. Public Recital. Students electing either of the Courses 8 or 9 are given the opportunity to present, in public, the work they have mastered in class. Public programs of Readings and Impersonations, and Public Presentation of Plays by the students of the department are a regular feature of the work of the College. This is the very best of practice before the very best of audiences.

SOCIOLOGY

PRESIDENT BUSHNELL.

The work in this department is intended to serve as a partial introduction to a comprehensive study of American Society, and the end sought is the training of students to deal intelligently with matters of large public concern. Emphasis is everywhere placed, on the one hand, upon a sound philosophy of social relations, and, on the other hand, upon the actual

march of affairs; and the student is constantly stimulated to understand the deep and fundamental trend of events.

1 and 2. Introductory Sociology. Beginning with a brief survey of fundamental principles and modern social tendencies. the course takes up in some detail the study of (*a*) social conditions, particularly in the United States; and then in less detail (*b*) an outline of social history; (*c*) an outline of social evolution; (*d*) an outline of social organization, and (*e*) a statement of the methods of social reform by which the principles of association and development may be applied to the solution of the problems growing out of present social conditions. *Two credits, each semester.* 9:00 *T. Th.*

3 and 4. Philanthropy and Reform. In this day of rapid change and considerable confusion in social standards and practices, it is becoming increasingly important that all students, especially those contemplating entering the ministry, law or public life, should be grounded in sound principles of scientific social control. This course is therefore intended to serve as an introduction to the technical study of dependent, delinquent and defective classes, the causes of pathological social conditions and the remedies of social amelioration, such as organized charity, public control of leisure time, labor legislation, and methods of punishment and reformation. *Two credits, each semester.* (1915-1916.)

5. College Life. A course designed especially for freshmen, meeting once a week the first semester, to discuss the standards and interests of college students in respect to physical, mental and social training, and the moral and practical questions involved in modern citizenship. 8:05 *M.*

6. Social Duties of Women. Course open to all women. *One credit, second semester.*

THE ACADEMY.

In pursuance of the action of the Trustees of the University in June, 1912, the work of Tualatin Academy closes with the end of the College year in June, 1915. Classes will be formed, however, under the care of the College Faculty, for College students desiring to study Beginning Latin or Caesar, if a sufficient number desire it.

CONSERVATORY OF MUSIC

PROFESSOR CHAPMAN, DIRECTOR.

General Considerations

The Conservatory of Music, as one of the departments of the University, is under the same general management as the other departments and under the special direction of the Dean of the Conservatory, who, with assistant teachers, offers courses in Voice, Piano, Organ and Violin; also courses in Harmony, Theory, History of Music, Ensemble and Choral Work.

The Faculty comprises teachers who are specialists in their several departments and who have had exceptional advantages of study, they themselves having been successful and private pupils of some of the greatest teachers and artists both in America and Europe.

The aim of the Conservatory is to give the best and most comprehensive instruction with the smallest possible expense to the student.

Free Privileges. All the recitals by the pupils, the ensemble work, where the pupil is sufficiently prepared, and the choral work, are free to pupils, a mere nominal fee for sheet music attaching to the latter. The educational value of the free recitals at Pacific University is very great to the music student. During the past year a large amount of the classsic literature for the piano and violin has been presented in the recitals. These works embraced many compositions never given in the Northwest before. Students in music desiring to become professional players, teachers or accompanists, are given every assistance possible, both in their study and also in their professional careers when their musical course is finished. This department of the Conservatory is for the training and development of artists. What measure of success has attended the efforts of the Conservatory is attested by those who have heard the more advanced pupils in individual recitals and seen the quality of work presented by those students. But in the belief that music is an important part of the education due every student who desires a broad education, and who wants culture and cultivation in general, the Conservatory also offers

less strenuous courses that will enable the student successfully to accomplish other college work each semester. Students receive, free, the benefit of appearing on recital programs several times a year when sufficiently advanced.

Normal Training—Training and instruction in the art of teaching will be given in special work where desired. Practical work in this line is open to a few of the most advanced students each year; the instruction is thus given in both a practical as well as theoretical way, in these cases. All the advanced or professional students may have special lessons in pedagogical music work by applying for the same. No medium or beginning pupils are eligible for this work.

The growing demand for music directors in the public schools gives a new importance to voice training. Special work will be given whenever it is desired.

Artists' Course. No less important than lessons is the hearing of great artists. The Director expects to present a course of recitals and lectures by foreign and home artists, which will be educational and comprehensive.

Advantages. Music students who have paid a library fee of $1.00 have access to the library of the University, which is fully adequate, musically, for research and study.

The Director will hear the pupils of the first assistant teachers in the presence of the teachers at least once each semester. He will hear the pupils of the second assistant teachers several times each semester. No superficial work will be tolerated in teachers or pupils, and the best artistic results possible will be required by the Director in all departments.

Diplomas. Diplomas are awarded by the Trustees of the University to students who have satisfactorily completed the course in piano, violin and voice. Graduate work is also offered graduate and professional students and teachers. The course is planned for from one to three years, according to the individual requirements of the student.

Candidates for graduation must have completed a course of academic study equivalent to that of a standard high school with a four years' course.

Branch Studio. The Conservatory has made arrangements to open a branch studio in Hillsboro, Oregon, for the convenience of students who may desire to have the benefits of conservatory work but are unable to come to the University

each week for their lessons. Instruction will be given in piano, voice and violin, in case the demand is sufficient to warrant the formation of classes in these lines of work.

Students in the Branch Studio will have the same careful supervision as the College Conservatory students. They will also enjoy the same privileges in recital work, ensemble, chorus and orchestra, harmony, history of music, etc., as students residing at the University.

This extension movement of the Music Department is in the nature of an experiment. It is confidently expected, however, that it will prove mutually so beneficial to students in Hillsboro and the University Conservatory that it will become a permanent feature of the department.

Requirements. Although not compulsory, it is advisable that pupils in all departments take two lessons per week.

No lesson missed by the pupils can be made up.

No pupils are received for less than an entire semester, or *such portion of it as remains after entrance.*

Tuition for the term must be paid in advance, and no deduction will be made for absence unless by special arrangement.

Pupils of the Conservatory are not eligible to appear in any public performance without the consent of both the teacher and the Director.

Each pupil is required to exhibit to his various instructors, during the first week of each term, the Treasurer's receipt for his term bills, or a certificate showing that satisfactory adjustment of them has been made.

Conservatory pupils who are resident in Forest Grove only during the College year are expected to elect one or more studies in the College Course.

Pupils may select their teachers, providing the teacher's time is not full.

It is estimated that the average necessary expense for a college year ranges from a minimum of $225 to a maximum of $500 for the music student.

For further information address the Dean of the Conservatory of Music, Pacific University, Forest Grove, Oregon.

Courses of Study

THE PIANO-FORTE.

PREPARATORY.

Kohler's Method.

Arpeggios, Scales, Selected Czerny Studies, Heller's Etudes, Kuhner Etudes, Bach, Sonatinas by Clementi, Kuhlau, Sonatas by Haydn, Mozart, Easy pieces.

ACADEMIC.

Czerny, Etudes; Heller op. 46 and 47; Cramer, Studies; School of Octave Playing, C. H. Doring; Kuhner Etudes; Octave Studies, Low; Cramer, Etudes; Studies, Taussig; Sonatas Beethoven; Concert Works, Mendelssohn, Schumann; Well-tempered Clavichord, Bach; Concert Works, Chopin, Grieg, Rubinstein, St. Saens, MacDowell, etc.

COLLEGIATE.

Kessler, Etudes; op. 10 and 25, Chopin; Octave Studies, Czerny; Doring, Octave Studies; Octave Studies by Kullak; Studies in Double Thirds, Taussig. Gradus Ad Parnassum, Clementi; 24, Studies, Moscheles. School Advanced Piano Playing by Rafael Joseffy; Concertos and Concert Works, Chopin, Schumann, Beethoven, Liszt, Rubinstein, St. Saens, Schutt, Grieg, etc.

VIOLIN.

PREPARATORY.

David or Hermann's Violin Method.

Daily Exercises, Schradieck; Etudes, Kayser, Mazas. Easy pieces by Dancia, J. Weiss, Papin, Hauser, etc.

ACADEMIC.

David's Method, second part.

Etudes, Kreutzer; Daily Exercises, Schadieck; Studies in Thirds, Sixths, Octaves; Etudes; Fiorillo; Concertos; Concert pieces by DeBeriot, Kreutzer, Rode, Alard, Vieuxtemps, Wieniawski, etc.

COLLEGIATE.

Caprices, Rode; Studies, Paganini; Sonatas, Concertos and Concert pieces by Paganini, Mendelssohn, Beethoven, Bach, Sophr, Bazzini, Wieniawski, Sarasate, etc.

VOICE CULTURE.

In this department special attention is given to a natural and skillful management of the breath, and the correct position of the vocal organs in the production of clear, full, resonant tones.

Flexibility and the art of phrasing are developed through the practice of scale and arpeggio passages and solfeggi. A refined musical taste is developed by the study of the best songs, ancient and modern; Ballads, Thoroughly Composed, German Songs and selections from Oratorio and Opera.

PREPARATORY.

Voice development, principles of breathing.
Voice placing, sight singing (if necessary.)
Exercises by Abt, Sieber, Lamperti, English songs.
First year of Piano-forte course (a) (b).

ACADEMIC.

Vocalises by Vaccai, Marchesi, Lamperti, Concone, Italian pronunciation, Italian and English songs.

Harmony; two semesters. Chorus class and the Arias in the Cantatas studied by the Chorus class.

COLLEGIATE.

Advanced vocalises.
Italian, English, French and German songs.
Concert, Oratorio, and Arias from the Italian, German and French Opera.

Tuition—Two Terms Per Year

TERMS 18 WEEKS EACH.

Lessons with Prof. F. T. Chapman, private lessons—
2 per week (½ hour each) at $2.00 approximately.... $75.00
1 per week (½ hour each) at $2.00..... $37.50

A discount of ten per cent is allowed on each semester's lessons taken at Pacific University of Professor Chapman.

In the future private lessons with Madam Chapman at the University will be given at the same published rates as Professor Chapman's instrumental lessons. Approximately at $2 a lesson, instead of $3 as in Portland. This special rate is given to build up the vocal department at Pacific University.

Madam Pauline Miller-Chapman, private lessons—

2 per week (one-half hour each) at $2.00..... 75.00
1 per week (one-half hour each) at 2.00..... 37.50

Class lessons—

2 per week (four in class), each..... 42.50
1 per week (four in class), each..... 22.50

Private Lessons, Piano, Organ and Voice—First Assistant—

2 per week (one-half hour each)..... 22.50
1 per week (one-half hour each)..... 12.00

Lessons with Second Assistant—Private Lessons.

PIANO AND ORGAN AND VOICE.

2 per week (one-half hour each)..... 17.00
1 per week (one-half hour each)..... 9.00
Harmony (per term in class)..... 10.00
Rent of Piano, per month (1 hour per day)....$0.50 to $0.75
Rent of Piano, per month (2 hours per day).... 1.00 to 1.25
Rent of Piano, per month (3 hours per day).... 1.50 to 1.75

Pupils may make special arrangements with the Director for hours of piano practice.

The Conservatory has at present no scholarship funds with which to aid worthy and talented music students. But it is disposed to assist such students to secure an adequate musical training. It has methods and plans of its own along this line, and no ambitious student having unmistakable talents in music need feel that he is debarred from securing a musical education at Pacific University Conservatory on account of financial difficulty.

AWARD OF PRIZES AND HONORS.

FORENSIC HONORS

In the Academic year 1913-1914 the following prizes were won by students of Pacific University:

First Prize Interstate Prohibition Contest
Samuel Winifred Grathwell
Second Prize State Peace Contest
Howard Rice Taylor

COMMENCEMENT HONORS.

ACADEMY HONORS

Annual Scholarship from Tualatin Academy
Anna Jeannette Snipes

DEPARTMENT HONORS.

Senior Class: John Egbert Bishop,
Fred Ewald Schmidtke,
Grace Margaret Thomas.
Junior Class: Ava Sarah Carlyle.
Sophomore Class: Ethel Maude English.
Freshman Class: Ruth Josephine Haines.
Sally Peris Hughes.

ACADEMIC HONORS.

Magna Cum laude:

John Egbert Bishop,
Fred Ewald Schmidtke,
Mary Elizabeth Leonard.

Cum laude: Grace Margaret Thomas

OFFICERS OF THE STUDENT BODY.

1914-1915

President, Warren E. Tupper, '16.
Vice-president, Ada F. Taylor, '15.
Secretary, Marie L. Wells, '16.
Treasurer, Joseph H. McCoy, '17.

ROLL OF STUDENTS.

GRADUATE STUDENT.

Grace Margaret Thomas, A. B., 1914	Portland

SENIORS.

Abraham, Richard Iams	Gaston
Carlyle, Ava Sarah	Forest Grove
Carlyle, Elizabeth Margaret	Forest Grove
Davies, Hazel Mary	Astoria
Harbison, Hester Elizabeth	Hillsboro
Inlow, Harvey Edgar	Forest Grove
Macrum, Rita	Forest Grove
Olson, Zenas Austin	Sherwood
Ostrander, Clinton Edgar	Salem
Patten, Alva Philip	Portland
Roe, Kate Ethel	Gaston
Tamiesie, Lura Babette	Hillsboro
Taylor, Ada Frances	Forest Grove
Vermilyea, Minerva Belle	Forest Grove

JUNIORS.

Austin, Jay Richard	Forest Grove
Briggs, Elizabeth Marguerite	Dilley
Cady, Ruth Hills	Beaverton
Chalmers, Esther Emily	Hillsboro
Dibble, Edwy Olds	Forest Grove
Donaldson, Ivan	Tillamook
Grathwell, Samuel Winifred	Cincinnati, Ohio
Hope, Norma	Vale
Rasmusen, George Maurice	Forest Grove
Rasmusen, Robert James	Forest Grove
Ricker, Max Welton	Royalton, Wis.
Tupper, Warren Ernest	Cameron, Idaho
Walker, Elcy Nova	Forest Grove
Wells, Laura Marie	Brownsville

SOPHOMORES.

Frost, Reuben Willard	Forest Grove
Graham, Leone Mildred	Forest Grove

Haines, Ruth Josephine	Forest Grove
Hope, Erma Dorothy	Vale
Howard, Alvena	Portland
Hughes, Gwendolen	Forest Grove
Hughes, Sally Peris	Forest Grove
Ireland, Arthur	Forest Grove
Jones, Mary Gwendolen	Ione
Livingston, Edward Meakin	Forest Grove
Lund, Alice May	Hillsboro
Mack, Donna Rachel	Klamath Falls
McCoy, Joseph Henry	Forest Grove
Morgan, Glenn Samuel	Forest Grove
Reeher, Max Moore	Wilson
Robinson, George Vinton	Forest Grove
Schroeder, Faye Greeta	Forest Grove
Smith, Alice Kinnaird	Hillsboro
Webb, Leslie Earl	Forest Grove

FRESHMEN.

Abraham, Paul	Gaston
Acker, Freda Margaret	Washougal, Wash.
Briggs, Wilford Myron	Dilley
Clark, Lawrence Fulton	Rainier
Cooke, Helen Isobel	Hillsboro
Copeland, Mildred Frances	Portland
Craft, Emma	Dilley
Curtis, Carl Colvin	Forest Grove
Davis, Nettie Viola	Lexington
Doughty, Glen	Hillsboro
DuBois, Mary Margaret	Portland
Enschede, Rhoda Christina	Forest Grove
Fowler, Thomas Richard	Rainier
Frost, Nelson Amasa	Forest Grove
Gilpin, Hazel Evelyn	Forest Grove
Gilpin, Myrtle Lola	Forest Grove
Glaser, Carrie Lois	Astoria
Goodman, Byron Matthew	Forest Grove
Hancock, Charles Shannon	Forest Grove
Harbison, Ruth Letitia	Hillsboro
Harris, Allan Edward	Hillsboro
Harris, Ruth	Hillsboro

Heisler, Darrell Vincent	Gaston
Hesseltine, Marjorie K.	Forest Grove
Ireland, John	Forest Grove
Jack, Glenn Robert	Woodburn
Jones, Lester Tallmon	Forest Grove
Jones, Margaret Carrie	Ione
Livesay, Thayne Miller	Elkton
Long, Watt Andrew	Rainier
Lucas, Leo Sheridan	Hillsboro
McCoy, Newton Conger	Castle Rock
Mace, Dorris Paul	Portland
Morin, Laben Earle	Dayton
Morrison, Charlotte Victoria	Marysville, Wash.
Parker, George A.	Forest Grove
Paul, Artie Blair	Portland
Poole, Roy Mabee	Hillsboro
Reed, Harold Arthur	Roy, Wash.
Richardson, Harry	St. Helens
Roe, Thomas Reuben	Gaston
Simon, Elizabeth	Hillsboro
Soule, Alta Josephine	Forest Grove
Snipes, Anna Jeannette	The Dalles
Stanley, Samuel Verle	Tillamook
Stewart, Ruth Carson	Athena
Taylor, Elbert John	Forest Grove
Thomas, Myrtle Alouva	Ridgefield, Wash.
Troutman, Albert Ernest	North Plains
Turner, Frances Lelia	Portland
Turner, Irvin William	Dilley
Wasson, Isa Hazel	Forest Grove
Zerba, Grace Almeda	Athena

UNCLASSIFIED.

Bagley, Doris Evelyn	Ashland
Bellinger, John Converse	Forest Grove
Brodersen, Arthur E.	Forest Grove
Buell, Nellie May	Forest Grove
Burns, Edward Vincent	Forest Grove
Burns, Margaret B.	Forest Grove
Ingram, Janet Graham	Cathlamet, Wash.
Ireland, Beula	Forest Grove

Lincoln, Arbel Cain	Forest Grove
Littler, Florence	Forest Grove
Lowell, Margaret	Pendleton
Loynes, Carrie Elida	Forest Grove
Markham, Marion R.	Forest Grove
McGinn, Coral Mildred	Forest Grove
Miller, Jenness Lola	Forest Grove
Takeoka, Daicha	Portland
Wilcox, George	Grass Valley
Willard, Benjamin	Forest Grove

ACADEMY STUDENTS

1914-1915

Bean, Mary Margaret	Shoshoni, Wyo.
Bernards, Martin John	Forest Grove
Berthold, Lydia Emily	Cornelius
Brent, Dorothy Margaret	Portland
Cady, Willis Lawrence	Beaverton
Dillard, William Walden	St. Helens
Forbis, Robert	Dilley
George, Dolorus Colleen	Sherwood
Haines, Grace Elizabeth	Forest Grove
Hazzard, Mary Catherine	Natchitoches, La.
Lupher, Nellie Hall	Forest Grove
Marsh, Margaret Ethel	Forest Grove
Martin, May Isabel	Forest Grove
Roe, John Catlin	Gaston
Rose, Valeda Innes	Vale

CONSERVATORY STUDENTS

1914-1915

Acker, Freda Margaret	Washougal, Wash.
Anderson, Helen	Portland
Babson, Mrs. W. S.	Portland
Bagley, Doris Evelyn	Ashland
Barnes, Mrs. W. B.	Hillsboro
Below, Emma Carew	Cathlamet, Wash.

Bellinger, John Converse	Forest Grove
Benjamin, Frances Marion	Forest Grove
Benjamin, Harriet	Forest Grove
Berthold, Mary Louise	Cornelius
Brent, Dorothy Margaret	Portland
Brobst, Mary Anna	Wilsonville
Buell, Nellie May	Forest Grove
Burke, Alice	Portland
Burlingham, Ruth	Forest Grove
Burnsworth, Alice	Forest Grove
Campbell, Mrs. C. S.	Portland
Chalmers, Esther Emily	Hillsboro
Chapman, Anna Catherine	Portland
Chapman, Frank Miller	Portland
Chapman, Harmon Marbold	Portland
Copeland, Mildred	Portland
Craft, Emma	Dilley
Crandall, Bessie	Hillsboro
Crossley, Amorette	Portland
Davis, Nettie Viola	Lexington
Delsman, Mrs. Henry	Hillsboro
Doughty, Gladwin	Hillsboro
Famme, Laura Leone	Yamhill
Ferrin, Esther Spillman	Forest Grove
Fisher, Minnie	Portland
Freeman, Mary	Hillsboro
Gates, Helen	Hillsboro
Geiger, Constance Louise	Forest Grove
Gill, Eva	Portland
Glaser, Carrie Lois	Astoria
Haid, Usona	Portland
Harris, Ruth	Hillsboro
Harrison, Ruth Letitia	Hillsboro
Haskell, Eleanor	Forest Grove
Henney, Mrs. Charles H.	Portland
Hesseltine, Marjorie K.	Forest Grove
Hope, Erma Dorothy	Vale
Howard, Alvena	Portland
Ingram, Janet Isabel	Cathlamet, Wash
Inlow, Eva Louise	Forest Grove
Jewell, Eleanor	Portland

Johansen, Ellen	Hillsboro
Johnson, Aleyne	Gaston
Jones, Margaret Burton	Forest Grove
Jones, Margaret Carrie	Ione
Killen, Helen Elizabeth	Hillsboro
Kirry, Zola	Forest Grove
Linklater, Dorothy	Hillsboro
Linklater, Edward	Hillsboro
Linklater, Frances	Hillsboro
Linklater, Ruth	Hillsboro
Livingston, Lois	Forest Grove
Lowell, Margaret	Pendleton
Loynes, Carrie Elida	Forest Grove
Mangold, Wynifred Charline Bruce	Forest Grove
Marsh, Arlington	Forest Grove
Martin, May Isabel	Forest Grove
McCoy, Joseph Henry	Forest Grove
McCoy, Newton Conger	Castle Rock, Wash.
McEldowney, Eleanor Russell	Forest Grove
McEldowney, Helen	Forest Grove
Miller, Phyllis Norella	Forest Grove
Misz, Donald	Forest Grove
Mooberry, Lester	Cornelius
Moore, Margaretta	Portland
Moore, Reine	Forest Grove
Morgan, Glenn Samuel	Forest Grove
Morrison, Charlotte Victoria	Marysville, Wash.
Ostrander, Clinton Edgar	Salem
Peterson, Carl Olney	Forest Grove
Peterson, Goldie Roverta	Forest Grove
Rasmusen, Maybelle	Forest Grove
Reynolds, Martha Belle	Portland
Roberts, Gertrude	Portland
Robinson, Irene	Forest Grove
Roe, Charles Bruce	Forest Grove
Roe, John Catlin	Gaston
Rose, Valeda Innes	Vale
Smith, Alice Kinnaird	Hillsboro
Smith, Dorothy	Dilley
Snipes, Anna Jeannette	The Dalles
Sorber, Rebecca Mary	Forest Grove

Stanley, Samuel Verle	Tillamook
Taylor, Ada Frances	Forest Grove
Taylor, Anna Belle	Forest Grove
Thornburgh, Glenn	Forest Grove
Tupper, Ethel	Cameron, Idaho
Van Koughnet, Alma	Forest Grove
Wall, Edward	Hillsboro
Wall, Evelyn	Hillsboro
Walters, Louis	Forest Grove
Wasson, Isa Hazel	Forest Grove
Webb, Leslie Earl	Forest Grove
Westaway, Mary	Portland
Wilcox, George	Hillsboro
Wilson, Mattie	Hillsboro
Yoder, Arthur Elias	Portland
Young, Wilhelmina	Vancouver, B. C.
Zimmerman, Oka Zwingle	Yamhill

SUMMARY OF STUDENTS

Graduate	1
College	118
Academy	15
Conservatory of Music	105
Deduct number counted more than once	32
Total number of different students for the Academic year 1914-1915	207

THE ASSOCIATE ALUMNI.

OFFICERS

President.

Horace E. Thomas, 1905 ...The Oregonian Building, Portland

Vice-President.

Robert A. Imlay, 1908 .....1011 Yeon Building, Portland

Secretary and Treasurer.

Mrs. W. Pearl Chandler Crounse, 1907 .....
.....Municipal Building, Portland

MEMBERS

The names of members of the Associate Alumni are arranged in alphabetical order with degree, class and address. Graduates from the Conservatory of Music are indicated by the words, "Diploma in Music." Deceased members are indicated by a star.

It is desired that all members should report to the Catalogue Committee, or the office of the University, any changes in occupation or address.

Abraham, Ralph L.—Impolweni, Natal, South Africa.
A. B. 1911; B. D. Oberlin Divinity School 1914; Missionary A. B. C. F. M.

*Adams, Marion C.
A. B. 1885; A. M. : d. Nez Perce, Idaho, 1915.

Adams, Thomas H.—Vancouver, Wash.
A. B. 1894; A. M.; Pres. Vancouver National Bank.

Alexander, Alexander C.—R. F. D. 1, Forest Grove.
B. S. 1890.

Aller, D. Irwin—San Francisco, Calif.
A. B. 1908; M. D. Medical School Univ. of California 1913; Interne University Hospital.

Arant, Perry B.—Lakeview.
Diploma in Music 1912; Director of Music Public Schools.

Arnston, Herbert H.—Birmingham, Ala.
A. B. 1908; The Associated Press.

Atkinson, Archibald A.—San Francisco, Calif.
A. B. 1901; A. M. 1902; M. D. Cooper Medical College 1905; Assistant in Pathology, Department of Medicine, Stanford, Univ.

Atkinson, Edward M.—Oregon City.
A. B. 1876; Attorney-at-Law.

Atwell, Homer C.—Forest Grove.
A. B. 1897; Manager Forest Grove Fruit Grower's Association.

Austin, Levi F.—Rainier.
A. B. 1913; Instructor High School.

Bailey, Mary, (Mrs. William D. Clarke)—Central Point.
B. L. 1903.

Baker, Dora E.—R. F. D. 1, Vancouver, Wash.
A. B. 1911; Instructor in Union High School.

MAY DAY PROCESSION ON THE CAMPUS

Barrett, William N.—Hillsboro.
B. S. 1879; Attorney-at-Law.

Bates, William A.—Corvallis.
B. S. 1891; Bookkeeper.

Bauer, Philip E. Rev.—Nome, Alaska.
B. S. 1897; B. D. Chicago Theol. Sem. 1901.

Beckwith, Frank M.—Mayview, Wash.
B. S.; 1879, Farmer.

Beek, Joseph—5th & Flanders, Portland.
A. B. 1884; With Povey Bros., Glass Co.

Bilyeu, William R.—Albany.
B. S. 1873; Attorney-at-Law.

*Bisbee, Ruel M.
B. S. 1896; d. Forest Grove 1907.

Bishop, Helen C.—Whittier Hall, New York City.
A. B. 1913; Graduate Student in Domestic Art, Teacher's College, Columbia Univ.

Bishop, John Egbert—Clark University, Worcester, Mass.
A. B. 1914; Graduate Student in Chemistry.

Boardman, Vincent E.—Eveleth, Minn.
B. L. 1900; Principal High School.

Boldrick, Sarah E. (Mrs. Joseph A. Hoffman)—Hillsboro.
A. B. 1907.

Bollinger, Helen—Dufur.
A. B. 1911; Instructor in Latin High School.

Bond, E. Austin—Bellingham, Wash.
A. B. 1893; Principal Public School.

Bond, William A.—Nehalem.
B. S. 1892; Milling.

Bowlby, John Q. A.—Astoria.
A. B. 1867; A. M.; Attorney-at-Law.

Bradley, Charles E.—Mishawaka, Ind.
B. S. 1897; M. S. 1900; Chemist Rubber Regenerating Co.

Bratzel, Ernst, Rev.—Fort Lauderdale, Fla.
A. B. 1909; Evangelical Lutheran Clergyman.

Brown, G. Gordon—Vernon, B. C.
A. B. 1910; Student in Horticulture O. A. C. 1911, 1912, Inspector of Fruit Pests.

Brown, Georgiana (Mrs. John Q. A. Bowlby)—Astoria.
B. S. 1870.

Brown, Liberta (Mrs. Alfred D. Schoch)—357 E. 57th, Chicago, Ill.
A. B. 1899; A. M. Columbia Univ. 1903.

Bryant, Sumner E.—Gray's River, Wash.
A. B. 1912; Instructor High School.

Bump, Daniel D.—Hillsboro.
A. B. 1906; LL. B. Univ. of Oregon, 1912; Attorney-at-Law.

Bunday, Maude B.—Puyallup, Wash.
A. B. 1912; A. M. 1913; Instructor High School.

Bunday, Myrtle M.—Moro.
A. B. 1912; Instructor High School.

Bush, Lafayette L.—Bay Center, Wash.
B. S. 1890; Merchant.

Butler, Lora F. (Mrs. L. F. Conn)—Lakeview.
B. L. 1901.

*Byrd, Josephine (Mrs. D. W. Ward)
Diploma in Music 1891; d. Forest Grove, 1895.

Cadwell, Irene (Mrs. Thomas H. Tongue, Jr.)—Hillsboro.
Diploma in Music 1906.

Campbell, Callie (Mrs. R. K. Montgomery)—Sheridan.
M. S. 1887.

Caples, Jesse R.—634 Going St. Portland.
B. S. 1892; Contractor & Builder.

Chandler, Helen W.—452 E. 10th St. N., Portland.
A. B. 1909; Teacher Arleta School.

Chandler, Wilma Pearl (Mrs. Neal R. Crounse)—Mayo Apartments, Portland.
A. B. 1907; Assistant Supt. Bureau for Protection of Women, Municipal Bldg.

Clapp, Dwinell E.—Brewster, Wash.
Diploma in Music 1912; Assistant Bank Cashier.

Clapp, Frances B.—Claremont, Calif.
A. B. 1908; Diploma in Music 1908; Student in Berlin, 1910-11, Instructor in Piano, Pomona College.

Clapp, Gordon B.—1216 3d. Ave., San Francsico, Calif.
A. B. 1908; Student Medical School, Univ. of California.

Clark, J. C.—565 North Fair Oaks, Pasadena, Calif.
B. S. 1887; M. D.

Clark, Phoebe I. (Mrs. Napoleon Davis)—R. F. D. 3, Aurora.
M. S. 1870.

Clark, Tabitha A. (Mrs. R. G. Ebert)—130 Parkside Drive, Berkeley, Calif.
M. S. 1877.

Clement, Alice—Albany.
Diploma in Music 1910; Student in Berlin, 1911; Instructor in Piano.

Convil, James O.—Portland.
A. M. 1911; Superintendent of Parks.

*Coplen, George W.
A. B. 1881; d. Latah, Wash. 1898.

Craig, Austin—Manila, P. I.
B. L. 1894; A. M. 1912; Assistant Professor Oriental History, Univ. of the Philippines.

Creswell, Mary A. (Mrs. Simard)—Freewater.
M. S. 1878.

Curtis, William K.—Forest Grove.
B. S. 1877, Farmer.

Davis, Napoleon—R. F. D. 3, Aurora.
A. B. 1883; A. M.; Farmer.

Day, Fred—Fenton Bldg., Portland.
A. B. 1903; Out Claim Agent, Southern Pacific R. R.

Dimick, Walter A.—Oregon City.
B. S. 1902; Attorney-at-Law.

Durham, George H.—Grants Pass.
A. B. 1866; A. M. Attorney-at-Law.

*Eaton, Mary S.
M. S. 1878; d. Oswego, 1882.

Eells, Ida M.—517 Broadway, Helena, Mont.
A. B. 1896; Graduate Student Columbia Univ. 1901; Supervisor Domestic Art, Public Schools.

*Myron Eells, Rev.
A. B. 1866; D. D.; d. Twana, Wash., 190-

Elder, Lillian B.—Forest Grove.
Diploma in Piano, 1911.

Emmel, Victor E.—St. Louis, Mo.
B. S. 1903; M. S. 1904; Ph. D. Brown Univ. 1906; Assistant Professor in Anatomy, Washington Univ. Medical School.

Faulkner, Richard W.—Idaho.
B. S. 1902.

*Fearnside, Elvia S.
M. S. 1878; d. Forest Grove 1879.

Ferrin, Haskell E.—Forest Grove.
A. B. 1910; Assistant Cashier, Forest Grove National Bank.

Ferrin, Livia E.—70 Morningside Drive, New York City.
A. B. 1906; Graduate Student, Columbia Univ.

Fitch, Caroline E. (Mrs. Cecil W. Tolson)—Forest Grove.
A. B. 1907.

Fletcher, Chester K.—Pueblo, Colo.
A. B. 1906; Principal Centennial High School.

Fletcher, William T.—Portland.
B. S. 1900; Graduate Student Columbia Univ. 1905, 1906; Principal Couch School.

Garrison, Blanche L. (Mrs. Philip E. Bauer)—Nome, Alaska.
B. L. 1899.

Gaylord, Ruth E. (Mrs. Leslie L. Hope)—Vale.
A. B. 1913.

Geiger, Laura (Mrs. A. C. Brackenbury)—Brownsville.
Diploma in Music 1889.

Gilliam, Mitchell—Seattle, Wash.
A. B. 1882; Judge of Superior Court.

Gleason, Lorena (Mrs. N. R. Norris)—Goldendale, Wash.
B. L. 1898.

Goodell, Mary (Mrs. —Burt)—Yoncalla.
M. S. 1873.

Gould, Vernon V.—Newberg.
A. B. 1912; Student Bradley Polytechnic 1913; Watchmaker and Jeweler.

Gray, Ethel—400 13th Street, Portland.
M. S. 1887; M. D. Univ. of Oregon 1899.

*Gray, Mary.
M. S. 1887; d. Portland, 1890.

Gwynn, William E.—Newport.
A. B. 1910; Attorney-at-Law.

Hale, William G.—Urbana, Ill.
B. S. 1903; LL. B. Harvard Univ. 1906; Professor College of Law, Univ. of Illinois.

Hall, Charles C.—Portland.
A. B. 1868; Farmer.

Hall, William A.—Clatskanie.
A. B. 1905; Druggist.
Hallett, Fred N.—106 Pike St. Seattle, Wash.
B. S. 1888; Fruit Lands.
Harbison, Blanche I. (Mrs. John D. Bergen)—Hillsboro.
Diploma in Music 1913.
Hare, William G.—Hillsboro.
B. L. 1903; LL. B. Univ. of Michigan 1906; Attorney-at-Law.
Hartley, Harvey H.—Goldendale, Wash.
A. B. 1897; A. M. 1900; M. D. Univ. of Oregon 1900.
Haskell, George L.—Ambridge, Pa.
B. S. 1899; Draftsman American Bridge Co.
Heidel, Wilhelmina—Hoquiam, Wash.
A. B. 1908; Graduate Curry School of Expression 1910; Instructor in Literature and Expression, High School.
Henshaw, Dora (Mrs. — Morgan)—Mohler, Wash.
M. S. 1874.
Hilts, Jonathan U.—Portland.
A. B. 1909; Railway Mail Service.
Hinman, Frank—Forest Grove.
B. S. 1888; Farmer.
Hinman, Margaret—Forest Grove.
B. L. 1891.
Hodgin, John S.—La Grande.
B. S. 1891; Attorney-at-Law.
Hoge, Jessie M.—Jefferson.
A. B. 1910; Instructor in High School.
Hoge, Mabel E.—864 E. Salmon St., Portland.
B. L. 1904; Librarian Public Library.
Hollinger, Maud—Portland.
A. B. 1911; with the J. K. Gill Co.
Holmes, Martha F. (Mrs. John I. Hess)—1220 Grant St., Bellingham, Wash.
A. B. 1909.
Hoover, Harriet (Mrs. Benton Killin)—293 13th St., Portland.
M. S. 1869.
*Hoover, Jacob.
A. B. 1869; A. M.; d. Spokane, Wash. 1898.
Hope, Leslie L.—Vale.
A. B. 1912; Bank Cashier.

House, Liola M.—Forest Grove.
Diploma in Music 1913; Private Studio.

Hoxter, Laura M. (Mrs. John T. Whalley)—470 Flint St., Portland.
A. B. 1878.

*Hughes, Elva (Mrs. — Gordon)
Diploma in Music 1890; d.

Humphreys, Harry P.—2029 Pacific Ave., Alameda, Calif.
A. B. 1909; Clerk Pacific Gas & Electric Co.

Imlay, Robert A.—1011 Yeon Bldg., Portland.
A. B. 1908; Attorney-at-Law.

Irvin, Clara I. (Mrs. A. A.Atkinson)—Campbell,Calif.
A. B. 1906.

Jackson, Anna (Mrs. F. Prosser)—Martinez, Calif.
M. S. 1883.

Jensen, Willis E.—Seattle, Wash.
A. B. 1911; Graduate Student in Engineering, Univ. of Washington.

Johnson, Agnes C. (Mrs. A. L. Johnson)—Carlton.
Diploma in Music 1912.

Keene, Mary V.—Albert.
M. S. 1882; Teacher Public School.

Kirkwood, Joseph E.—Missoula, Mont.
A. B. 1898; Ph. D. Columbia Univ.; Prof. Botany & Forestry Univ. of Montana.

Knight, Frederick S.—Nueva Vizcaya, P. I.
A. B. 1911; Principal Provincial High School, Bayombong.

Koch, C. Franklin—Springfield, Ohio.
A. B. 1910; Divinity Student, Wittenberg Sem.

Koontz, Mattie E. (Mrs. John U. Smith)—Newberg.
B. S. 1889.

Lancefield, Jessie (Mrs. Hiram E. Wilson)—Box 12 Univ. Park, Colo.
A. B. 1900.

Lancefield, Lynn—McMinnville.
B. L.; Bookkeeper, First National Bank.

Lansing, M. Catherine (Mrs. James R. Robertson)—Berea, Ky.
A. B. 1896.

Latourette, DeWitt C.—Oregon City.
A. B. 1878; A. M.; Attorney-at-Law.

*Latourette, Willard H., Rev.
B. S. 1874; d. McMinnville, 1911.

Lawrence, Samuel B.—R. F. D. 2., Hillsdale.
A. B. 1908; A. M. 1910; LL. B. Univ. of Washington, 1910 Attorney-at-Law.

Lee, John A.—201-202 Title & Trust Bldg., Portland.
A. B. 1891; LL. B. George Washington Univ.; Attorney-at-Law.

Lee, Mary Ellen—824 North G. St., Tacoma, Wash.
M. S. 1890; Teacher Public Schools.

Leonard, Elizabeth—896 Sandy Road, Portland.
A. B. 1914.

Leonard, Thomas W.—Moscow, Idaho.
A. B. 1913; Student Secretary Y. M. C. A. Univ. of Idaho.

Lewis, Vesta M. (Mrs. Victor E. Emmel)—Cleveland Ave. St. Louis, Mo.
A. B. 1902.

Lieser, Leah E.—Boston, Mass.
Diploma in Music 1910; Graduate Student, N. E. Conservatory.

Lieser, May M. (Mrs. William T. Fletcher)—603 E. 34th St. N. Portland.
A. B. 1899.

Lindsley, Addison A.—1500 E. Yamhill St. Portland.
A. B. 1870; Real Estate Agent.

Llewellyn, Fred W.—Seattle, Wash.
A. M. 1911; Adjutant General.

Long, Rose J. (Mrs. Walter Wood)—Myrtle Creek.
B. L. 1901.

Loynes, Hazel J.—Forest Grove.
A. M. 1910; Instructor in High School.

Luce, Henry B.—Eddyville.
A. B. 1872; Homesteader.

*Lyman, Horace S. Rev.
A. B. 1878; A. M.; d. Astoria 1905.

Lyman, Mary F. (Mrs. Newton McCoy)—654 Hancock St. Portland.
M. S. 1878.

Lyman, Sarah I.—289 Halsey St. Portland.
M. S. 1873.

Lyman, William D.—Walla Walla, Wash.
A. B. 1873; A. M.; Prof. of History & Literature, Whitman College.

Macrum, John W.—Forest Grove.
B. S. 1896; Civil Engineer.

*Macrum, Margaret J. (Mrs. W. H. Byrd)
M. S. 1885; d. Salem, 1913.

*Macrum, William S.
A. B. 1890; LL. B. Univ. of Oregon 1897; d. Portland, 1912.

Markel, Howard H.—1155 Bush St. San Francisco, Calif.
A. B. 1907; M. D. Medical School, Univ. of Calif, 1912.

Markham, Melvin W.—Clatskanie.
A. B. 1905; D. D. S., N. Pacific Dental College, 1912.

Marsh, Frederick L.—Aurora.
A. B. 1898; D. D. S., N. Pacific Dental College, 1905.

Marsh, Gertrude E. (Mrs. William A. Hall)—Clatskanie.
B. L. 1901.

Marsh, James R.—Aurora.
A. B. 1886; A. M., Farmer.

Marsh, J. Wheelock—Banks.
A. B. 1886; Bank Cashier.

*Marsh, Laura (Mrs. E. P. Cadwell)
M. S. 1886; d. Forest Grove 1901.

*Marsh, Sidney E.
A. B. 1889; d. Port Townsend, Wash. 1890.

Marsh, William P.—492 Boylston St. Boston, Mass.
B. S. 1888; A. B. Univ. of Vermont; With Mason & Hamlin Co.

Marsh, Winifred (Mrs. Theodore Whittelsey)—142 Gordonhurst Ave., Upper Montclair, N. J.
B. L. 1900; B. L. Smith College 1903.

Martin, Hattie (Mrs. Samuel Vestal)—Snohomish, Wash.
B. S. 1875.

Martin, James T.—Sacramento, Calif.
B. S. 1876; M. D. Univ. of Mich. 1883.

Mason, Claude D.—11th Ave & 58th St. New York City.
A. B. 1908; Chemist U. S. Rubber Co. General Laboratories.

Mason, Ella S.—409 Salmon St. Portland.
B. L. 1900; Instructor in English, Washington High School.

McCornack, Eugene P.—Salem.
A. B. 1874; Banker.

McCornack, Herbert F.—Eugene.
A. B. 1874; M. D.

McCoy, Newton—715 Oregonian Bldg. Portland.
A. B. 1880; Attorney-at-Law.

*McKercher, Florence
A. B. 1895; d. Portland, 1898.

McNamer, Clay—Lewiston, Idaho.
B. S. 1889; Attorney-at-Law.

Meresse, Abel—White Salmon, Wash.
B. S. 1902; Editor The Enterprise.

Merges, Ernest E.—1011Yeon Bldg. Portland.
B. L. 1892; Pres. Oregon & Washington Realty Co.

Merryman, Ethel (Mrs. A. B. Bailey)—The Fordham, Portland.
Diploma in Music 1892.

Miller, John X.—Pasumalai, India.
B. S. 1898; A. M.; B. D. Andover Theol. Sem; Missionary A. B. C. F. M.

*Millis, Harold B.
B. S. 1902; d. Marshfield 1910.

Morrison, Nancy B. (Mrs. Dwight H. Thomas)—348 E. 6th St. N. Portland.
B. L. 1893.

Moseley, Ethel B. (Mrs. W. B. Rasmusen)—3107 37th. St. S. Seattle, Wash.
A. B. 1907.

Murie, Olaus J.—Cochrane, Ont.
A. B. 1912; Collector, Carnegie Museum, care of Hudson's Bay Co.

Murphy, Loretta B.—Forest Grove.
A. B. 1910.

Naylor, Edward L.—Forest Grove.
B. L. 1892.

Neal, Candace A. (Mrs. H. B. Luce)—Eddyville.
M. S. 1870.

Nelson, Gustaf W.—St. Johns.
A. B. 1890; B. D. Pacific Theol. Sem. 1893; Business, Portland.

North, Alfred M.—Riverside, Calif.
B. S. 1901; Head of History & Economics, Polytechnic High School.

*Nosea, Yei.
A. B. 1876; A. M., d. Tokio, Japan 1895.

Parker, Lois W. (Mrs. Frank S. Myers)—515 Hancock St., Portland.
A. B. 1899.

Patton, Mary E. (Mrs. A. B. Snider)—1231 San Bruno Ave, San Francisco, Calif.
A. B. 1891.

Patton, Pem—Gaston.
B. S. 1892; Farmer.

Peters, John W.—1300 E. 6th St. N. Portland.
A. B. 1907; LL. B. Univ. of Oregon, 1914.

Peters, Lottie S.—1300 E. 6th St. N. Portland.
A. B. 1905.

Peters, R. Frank—904 Chamber of Commerce, Portland.
A. B. 1905; LL. B. Univ. of Oregon, 1910; Attorney-at-Law.

Peterson, Goldie R.—Forest Grove.
Diploma in Music, 1912.

Philbrook, J. Watson—Iloilo, P. I.
A. B. 1905; District Auditor.

Poppleton, Adelaide (Mrs. A. H. Harding)—538 E. 19th St. N. Portland.
A. B. 1883.

*Porter, Estella S.
A. B. 1888; d. Forest Grove 1889.

Porter, Nellie (Mrs. C. B. Campbell)—Forest Grove.
Diploma in Music 1893.

Prideaux, Arthur J.—Portland.
A. B. 1906; Principal Woodstock Public School.

Putman, S. Belle (Mrs. Levi C. Walker)—331 N. 11th St., Lincoln, Neb.
M. S. 1875.

Raffety, David—91½ Grand Ave. Portland.
B. S. 1867; M. D.

Ramsey, Horace M. Rev.—343 13th St. Portland.
A. B. 1899; A. M. Univ. of Calif.; Dean St. Stephen's Pro-Cathedral.

Rasmusen, Jennie S. (Mrs. Henry F. Price)—Swarthmore, Pa.
A. B. 1912.

Rasmusen, William B.—3107 37th St. S., Seattle, Wash.
A. B. 1906; With John A. Whaley & Co. Surety Bonds & General Insurance.

Rice, Clarence E.—Franklin, Neb.
A. B. 1913; Instructor Franklin Academy.

Robinson, Alexander C.—3261 Sanson St., Philadelphia, Pa.
A. B. 1910; Graduate Student, Univ. of Pennsylvania.

Robinson, Reginald R.—Corvallis.
A. B. 1909; Chemical Research Investigator U. S. Experiment Station, O. A. C.

Robinson, Thomas, Rev.—Pittsburg, Pa.
A. B. 1904; A. M. Princeton Divinity School; Research Student Western Theol. Sem.

Roe, Barnett Y.—Gaston.
A. B. 1882; Farmer.

Saito, Kin—Hakodate, Japan.
B. S. 1876; LL. B. Univ. of Michigan, 1878; Chief Justice, Court of Hokkaido.

Schaff, Charles W.—Lewiston, Idaho.
B. S. 1877; M. D.

Schmidtke, Fred E.—Hoquiam, Wash.
A. B. 1914; Instructor High School.

Schoch, Alfred D.—357 E. 57th St. Chicago, Ill.
B. S. 1900; Ph. D. Cornell Univ.; Editor Text Books in Spanish.

Scholfield, Harriet E. (Mrs. Arthur E. Yoder)—Cornelius.
B. L. 1902.

Scott, Ella (Mrs. DeWitt Latourette)—Oregon City.
A. B. 1878; A. M.

*Scott, Harvey W.
A. B. 1863; A. M.; d. Baltimore, Md. 1910.

Sewell, Alice E.—Hillsboro.
Diploma in Music, 1908.

Shaver, Homer T.—Washington, D. C.
A. B. 1913; Graduate Student in Law, George Washington Univ.

Shiach, James W.—453 N. 42d. Ave. Seattle, Wash.
A. B. 1900; Mining Engineer.

Shiach, William S.—3425 28th. Ave. S. Seattle, Wash.
A. B. 1895; Inspector City Health Department.

Shipley, Silas M.—35 Haller Bldg. Seattle, Wash.
B. S. 1885; LL. B. Univ. of Washington, 1888; Attorney--at-Law.

Shively, William B.—1334 Northwestern Bank Bldg., Portland.
A. B. 1905; LL. B. Univ. of Oregon 1908; Attorney-at-Law.

Silverman, Esther—Marshfield.
A. B. 1908; A. M. Radcliffe Col. 1910; Instructor in English, High School.

Slusser, Leah (Mrs. Warren Hathaway)—788 E. Yamhill St. Portland.
Diploma in Music 1912.

Smith, Day (Mrs. W. E. Stewart)—374 3d St. Portland.
Diploma in Music 1891.

Smith, Fred R.—Sheridan, Wyo.
A. B. 1894; Merchant.

Smith, John U.—Newberg.
B. S. 1888; LL. B. Univ. of Oregon, 1890.

Smith, Lizzie (Mrs. J. J. Wirtz)—Forest Grove.
Diploma in Music, 1890.

Smith, Milton W.—135 Curry St. Portland.
A. B. 1878; A. M.; Attorney-at-Law.

Smith, Wickliffe R.—Cameron, Idaho.
A. M. 1910; Editor Potlatch Star.

Snider, Asa B. Rev.—San Francisco, Calif.
A. B. 1891; B. D. Pacific Theol. Sem. 1895; Pastor Bethlehem Cong. Ch.

Sorenson, Frances T. (Mrs. Arthur J. Prideaux)—5028 41st St. Portland.
A. B. 1906.

Stearns, Ethella S. (Mrs. Stanley C. E. Smith)—1385 E. 19th St. Portland.
A. B. 1910.

Stevenson, Jacob G.—Eugene.
B. S. 1874; Retired Farmer.

Stewart, Emma E. (Mrs. Charles E. Bradley)—Mishawaka, Ind.
A. B. 1896.

Stewart, Horace D.—Dayville.
A. B. 1893; Stockman.

Stewart, Loring V.—Dayville.
A. B. 1893; M. L. & LL. B. Yale; Stockman.

*Stott, Frank L.
A. B. 1870; d. Gaston, 1873.

*Stott, Raleigh.
A. B. 1869; A. M.; d. Portland, 1901.

Stout, Fern F. (Mrs. James P. Graham)—La Grande.
A. B. 1901.

Tamura, Hatstara—Kyoto, Japan.
A. B. 1876; A. M. Principal Female Seminary.

Taylor, Ada F.—Forest Grove.
Diploma in Music, 1914; Assistant in Piano, Pacific Univ.

Taylor, D. John—Oberlin, Ohio.
A. B. 1912; Divinity Student, Oberlin Coll.

Taylor, Howard R.—Centralia, Wash.
A. B. 1914; Instructor in High School.

Taylor, Marion S.—Newport.
A. B. 1912; Instructor in Science High School.

Thomas, Amy G. (Mrs. Charles Sprague—376 31st St. N. Portland.
A. B. 1910.

*Thomas, Dwight H.
B. S. 1893; d. Portland 1907.

Thomas, Grace M.—Forest Grove.
A. B. 1914; Graduate Student in Home Economics, and Instructor Women's Division in Gymnasium, Pacific Univ.

Thomas, Horace E.—The Oregonian Bldg. Portland.
A. B. 1905; City Editor The Oregonian.

Thomas, Ruth H.—1964 E. 97th St. Cleveland, Ohio.
Diploma in Music, 1914; Student Western Reserve Coll. 1914-15.

Tibbals, Mildred M.—Galesburg, Ill.
A. B. 1901; A. M. Wellesley Coll. 1905; Assistant Prof. of Literature, Knox Coll.

Tongue, Edith L. (Mrs. A. E. Reames)—Jacksonville.
B. L. 1893.

Tongue, E. Burke—Hillsboro.
A. M. 1911; Prosecuting Attorney, Washington Co.

*Tongue, Thomas H.
A. B. 1868; A. M.; d. Washington, D. C. 1903.

Tongue, Thomas H., Jr.—Hillsboro.
B. L. 1900; LL. B. George Washington Univ. 1903; Attorney-at-Law.

Turner, Harlan J.—St. Helens.
A. B. 1912; Business.

Vrooman, Frederick E.—Portland.
B. S. 1903; Auditor Equitable Savings & Loan Association.

Waggener, Wilma—Albany.
Diploma in Music 1904; Study in Berlin, 1906, 1912; Director of Piano, Albany College.

Wagner, Augustus A.—Seattle, Wash.
A. B. 1911; Graduate Student in Chemistry, Univ. of Washington.

Walker, Elda R.—Lincoln Neb.
A. B. 1901; A. M. 1904; Ph. D. Univ. of Nebraska, 1907; Associate Prof. of Botany, Univ. of Nebraska.

Walker, J. Elkanah, Rev.—Shaowu, China.
A. B. 1867; A. M.; D. D.; Missionary A. B. C. F. M.

Walker, Jeremiah—Hoquiam, Wash.
B. L. 1900; Pres. Walker Bros. Lumber Co.

Walker, Leva B.—Lincoln, Neb.
A. B. 1901; A. M. Univ. of Nebraska, 1908; Assistant Prof. of Botany, Univ. of Nebraska.

*Walker, Levi C.
A. B. 1873; A. M.; d. Forest Grove 1909.

Ward, Charles E.—Oberlin, Ohio.
A. B. 1912; Divinity Student, Oberlin College.

Ward, James R.—Davenport, Wash.
A. B. 1909; Instructor in History, High School.

Warner, Beulah—Stockton, Calif.
A. B. 1899; Instructor in Latin, High School.

Warren, Zula (Mrs. S. T. Linklater)—Hillsboro.
Diploma in Music, 1892.

Waterman, Virgil—Welches.
A. B. 1909; Homesteader.
Waters, Ethel G.—Walla Walla, Wash.
A. B. 1905; Graduate Chicago Missionary Training Institute, 1909.
*Watson, Edward B.
A. B. 1866; A. M.; d. Portland 1815.
Watt, Ella (Mrs. Henry J. Jackson)—2343 W. 31st, Los Angeles, Calif.
M. S. 1876.
Watt, J. Alfred—Hood River.
A. B. 1881; M. D. Univ. of Michigan.
Whalley, John T.—615 McKay Bldg. Portland.
A. B. 1881; A. M. Attorney-at-Law.
Whealdon, Jerrine—The Dalles.
A. B. 1913; Court Stenographer.
Whealdon, Margaret—Independence.
A. B. 1911; Teacher Public School.
Wilkinson, Tacy (Mrs. H. H. Atkinson)—Mamuret ul Aziz, Mezerek, Turkey.
B. L. 1899; Matron Annie Tracy Riggs Hospital.
Wilson, Christine E. (Mrs. Harry P. Humphreys)—2029 Pacific Ave. Alameda, Calif.
A. B. 1911.
Wirtz, Willard H.—Prineville.
A. B. 1906; LL. B., Willamette Univ. 1910; Prosecuting Attorney, Crook Co.
Witham, Hermon E.—210 Lumberman's Bldg. Portland.
A. B. 1909; Agent San Francisco Life Ins. Co.
Wood, William D.—Hillsboro.
A. B. 1887; M. D. Univ. of Michigan 1890.
Woods, Nellie (Mrs. Adams)—415 Eugene St. Portland.
M. S. 1887.
Yoder, Arthur E.—Cornelius.
B. S. 1902; Instructor in Biology, Washington High School, Portland.
Yoder, Harriet J. (Mrs. Macdonald T. Potts)—care of Evening Journal, Portland.
B. L. 1904.

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